Honeywell

Safety Manager Module Configuration Forms

for use with the Triconex TRICON Version 8 systems

SM88-500

Total Plant®

Honeywell

Implementation
Safety Manager

Safety Manager Module Configuration Forms

for use with the Triconex TRICON Version 8 systems

SM88-500
4/96

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About This Publication

This publication provides the configuration forms for the Safety Manager in TDC 3000^{X} Release 500 series for the Triconex TRICON system - Version 8. These forms should be used to assist you in configuring the SMM data points at the Universal Station.

The user should be familiar with the Safety Manager system control functions described in *SMM Control Functions for the Triconex TRICON System - Version 8* and the *Implementation/Startup & Reconfiguration - 2* binder (LCN) bookset before using this publication.

All references in this manual to "Safety Manager" or "Safety Manager Module" pertain only for use with the Triconex TRICON Version 8 systems.

Table of Contents

SAFETY MANAGER FORMS

Safety Manager Form Instructions

FILLING OUT PAPER FORMS

Where To Find Parameter and Data Point Help Information

Refer to the *Safety Manager Module Parameter Reference Dictionary* and to the *Safety Manager Module Control Functions* publications in the *Implementation Safety Manager* binder.

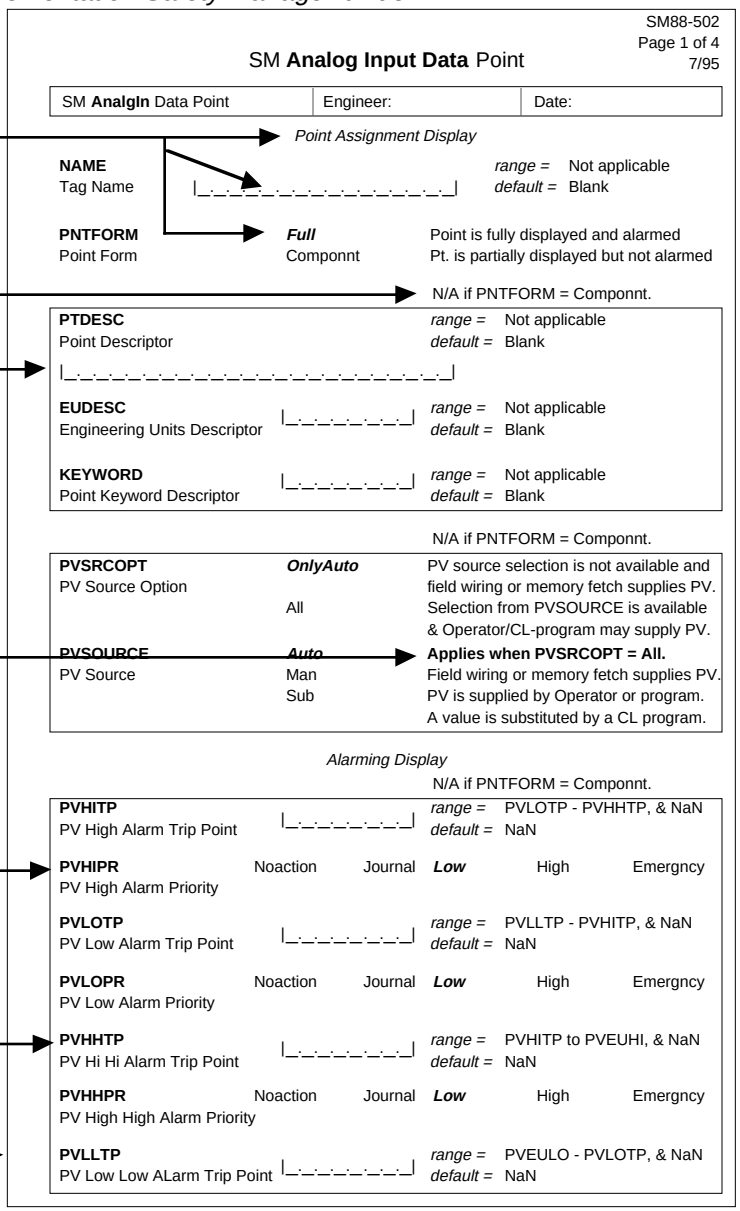
Universal Station's configuration display where values and parameter options that have been written on the form will be keyed in and/or selected respectively.

If parameters within a box do not apply when some other parameter option is selected, that box is indicated by **N/A if** or **ONLY if**.

Text in **bold** indicates **what parameter/s or parameter-option/s apply** when an option is selected for a previous parameter.

Lower-level alarm trip points must have a value specified before higher-level alarm trip points display. For example, the PVHHTP (PV Hi Hi Alarm) parameter line displays after a value is entered in the PVHITP (PV High Alarm) parameter.

FORMS



ENTERING DATA FROM THE FORMS INTO THE SYSTEM

Select NETWORK INTERFACE MODULE from Engr's Main Menu to get NIM BUILD TYPE SELECT MENU.

UCN NODE CONFIGURATION Form SM88-500A	LM NODE SPECIFIC CONFIGURATION Form SM88-500A.2	PROCESS POINT BUILDING Form SM88-500B–J

Select a point type from this POINT BUILT SELECT MENU

Analg In/Out	Dig In/Out	DigComp	Safety	Numeric	Flag	Timer

SM **UCN Node** Configuration

SM **UCN Node** Configuration	**Engineer:**	**Date:**

UCN Node Configuration Display

NOTE

This form is intended primarily for use in configuring each SM on your system by selecting ***SM*** for **NODETYP** below. This same form can be used to configure each NIM on your system by selecting ***NIM*** for **NODETYP** (some different targets will appear as shown). If your system has other UCN devices (PM, APM), the NIMs can also be configured using the forms contained in the documentation for those devices.

NTWKNUM NIM's UCN that SM is connected to (Process Network Number)		|__.__|	*range =* 1 to 20 *default =* Not applicable
NODENUM SMM's or NIM's Address on the UCN		|__.__|	*range =* 1 to 64 *default =* Not applicable
NODETYP Type of Node on the UCN	NotConfg Nim PM APM ***SM***		This NIM or SM not configured on UCN Network Interface Module Process Manager Module Advanced Process Manager Module Safety Manager Module
SMPLTFM Type of Safety Control Platform	***TRICON*** FSC		Safety Manager is using TRICON Controller Safety Manager is using FSC Controller
NODEASSN	***ThisNim*** RemotNim		NIM assigned to report alarms and perform checkpointing for network specified in NTWKNUM Additional NIM on a network that already has "ThisNIM" defined Applicable only if NODETYP = Nim
LOADSCOP Load Scope	NimOnly ***NimAndPm***		Configured data goes to the NIM only Configured data goes to NIM and SM
NMSGTXT Number of Message Text Items		|__.__|	*range =* 0 to 15 *default =* 0

DIGITAL COMPOSITE PV STATE TEXT

MOVPVTXT Moving Text	Moving	Individual point configuration specifies which input state is associated with this moving text. If NODENUM is even, this parameter is hidden.
BADPVTXT Bad Text	Bad	Individual point configuration specifies which input state is associated with the bad text. If NODENUM is even, this parameter is hidden.

SM **UCN Node** Configuration

SM **UCN Node** Configuration	**Engineer:**	**Date:**

Status Message Text Configuration Display

		N/A if NMSGTXT = 0
MSGTXT(1) Status Message Text #1	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(2) Status Message Text #2	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(3) Status Message Text #3	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(4) Status Message Text #4	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(5) Status Message Text #5	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(6) Status Message Text #6	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(7) Status Message Text #7	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(8) Status Message Text #8	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(9) Status Message Text #9	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(10) Status Message Text #10	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(11) Status Message Text #11	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(12) Status Message Text #12	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(13) Status Message Text #13	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(14) Status Message Text #14	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank
MSGTXT(15) Status Message Text #15	|__.__.__.__.__.__.__.__|	*range =* Eight Character String *default =* Blank

SM **Node Specific** Configuration

SM Configuration	**Engineer:**	**Date:**

WARNING: *If the point mix of the scan rate is changed, then the node's full database will be set to its default.*

SM Node Configuration Display

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that SMM is connected to *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

NODETYP
Enumeration of the UCN Node Type
- PM — Process Manager Module
- APM — Advanced Process Manager Module
- ***SM*** — Safety Manager Module

SMPLTFM
Type of Safety Control Platform
- ***TRICON*** — Safety Manager is using TRICON Controller
- FSC — Safety Manager is using FSC Controller

NAISLOT* |__.__.__.__| *range =* 0 to 1000
# of Analog Input Slots *default =* 0

NAOSLOT* |__.__.__| *range =* 0 to 1000
# of Analog Output Slots *default =* 0

NDISLOT* |__.__.__.__| *range =* 0 to 2000
# of Digital Input Slots *default =* 0

NDOSLOT* |__.__.__.__| *range =* 0 to 2000
# of Digital Output Slots *default =* 0

NLOGSLOT* |__.__| *range =* 0 to 30
# of Logic Slots *default =* 0

NDCSLOT* |__.__.__| *range =* 0 to 652
# of Digital Composite Slots

NONETXT |__.__.__.__.__.__.__.__| *range =* Not applicable
Digital Composite None State *default =* None

NNUMERIC**
# of Numerics |__.__.__.__| *range =* 0 to 1000 (Real)
0 to 382 (Integer)
default = 0

NNLSBA*** |__.__.__.__.__| *range =* 0, 30001 to 31382, or 40251 to 40632 (Integer)
Starting Alias Address of the Numeric Array *default =* 0 (Not Configured)

***The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired. SMM will perform Range checking. The 0.5 second scan rates will tend to lower these maximum range values.**
**** The actual Range check for this Parameter will depend on the NNLSBA. SMM will perform Range checking.**
*****The Range check for this Parameter will be dependent on NNUMERIC value. SMM will perform Range checking.**

SM **Node Specific** Configuration

PVFLTOPT |__| *range:* 1 = integer
Enumeration of the TRICON Data Format for the Numeric Points 2 = real
The value for this Parameter will be determined by NNLSBA. *default* = Not Configured

NFLAG |__.__.__.__| *range =* 0 to 2000
# of Flags *default =* 0
The Range check for this Parameter will be dependent on the FLLSBA. SMM will perform Range checking.

FLLSBA |__.__.__.__.__| *range =* 0, 2001 to 4000, or 10001 to 14000
Starting Alias Address of the Flag Array *default =* 0 (Not Configured)
The Range check for this Parameter will be dependent on the NFLAG value. SMM will perform Range checking.

NTIMER |__.__.__.__| *range =* 0 to 1500
# of Timers *default =* 0
The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired. The 0.5 second scan rates will tend to lower the maximum range value. SMM will perform Range checking.

SCANRATE |__| *range:* 0 = Null
SMM's Scan Rate in Times per Second 1 = AR1DT2
2 = AR2DT2
3 = AR1DT1
default = AR2DT2

SM **Analog Input Data** Point

SM **AnalgIn** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

NODETYP
Node Type
PM
APM
SM
range = Not applicable
default = PM

SMPLTFM
Type of Safety Control Platform
TRICON Safety Manager is using TRICON Controller
FSC Safety Manager is using FSC Controller

PNTFORM
Point Form
Full Point is fully displayed and alarmed
Componnt Point is partially displayed but not alarmed

PTDESC
Point Descriptor
range = Not applicable
default = Blank

|__.__|

EUDESC
Engineering Unit Descriptor |__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

KEYWORD
Point Keyword Descriptor |__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

ASSOCDSP
Associated Display |__.__.__.__.__.__.__.__|
range = Alphanumeric
default = Blank

UNIT
Process Unit Point is Assigned to |__.__|
range = Alphanumeric
default = Not applicable

NTWKNUM
NIM's UCN that Contains This Point |__.__|
range = 1 to 20
default = Not applicable

NODENUM
SMM's Address on the UCN |__.__|
range = 1 to 64
default = Not applicable

SLOTNUM
Point Slot Number |__.__.__.__|
range = 0 to 1000
default = Not applicable

PLCADDR
LC Source Address |__.__.__.__.__|
range = 0, 30001 to 31382, or 40001 to 40632 (integer)
32001 to 32120, 33001 to 34000, or 41001 to 42000 (real)
default = 0 (Not Configured)

SM **Analog Input Data** Point

NIM/PV Configuration Display

PVCHAR |__| *range:* 0 = LINEAR
Enumeration of the PV Characterization 15 = SQROOT
15 = TC_RTD
default = Linear

N/A if PVCHAR = TC_RTD

PVRAW HI	|__.__.__.__.__.__.__.__|	*default* = 1.0	*range =* ≥ PVRAW LO
PVRAW LO	|__.__.__.__.__.__.__.__|	*default* = 0.0	*range =* < PVRAW HI

N/A if PVCHAR = Linear, SqRoot

PVTEMP	DegreesF	***DegreesC***	F = Fahrenheit; C = Celsius;
Thermal EUs for PV	DegreesR	DegreesK	R = Rankin; K = Kelvin

Only if PVCHAR = Linear, SqRoot

INPTDIR	***Direct***	Highest energy from sensor = 100% PV
Analog Input Direction	Reverse	Highest energy from sensor = 0% PV

PVEUHI |__.__.__.__.__.__.__.__| *range =* PVEULO to PVEXEUHI
PV High Range in EUs *default =* 100.0

PVEULO |__.__.__.__.__.__.__.__| *range =* PVEXEULO to PVEUHI
PV Low Range in EUs *default =* 0.0

PVFLTOPT |__| *range:* 1 = Integer
Enumeration of the TRICON data type 2 = Real
The value for this Parameter will be determined by PLCADDR. *default* = Not Configured

PVFORMAT	D0	D2	D0 = 9999**o**	D2 = 99**o**99
PV Decimal Point Format	***D1***	D3	D1 = 999**o**9	D3 = 9**o**999

PVCLAMP	***NoClamp***	No clamping of the PV value
PV Clamping Option	Clamp	Clamp PV value at range extension limit

Only if PVCHAR = Linear, SqRoot

LOCUTOFF |__.__.__.__.__.__.__.__| *range =* PVEULO to PVEUHI and NaN
Low Signal Cutoff for Flow Inputs *default =* NaN

N/A if PNTFORM = Componnt

PVSRCOPT	***OnlyAuto***	PV source selection is not available and field wiring or memory fetch supplies PV.
PV Source Option	All	Selection from PVSOURCE is available and Operator/CL-program may supply PV.

SM **Analog Input Data** Point

NIM/PV Configuration Display (continued)

PVSOURCE PV Source	***Auto*** Man Sub	**Applies when PVSRCOPT = All**. Field wiring or memory fetch supplies PV. PV is supplied by Operator or program. A value is substituted by a CL program.

TF PV Filter Lag Time in Minutes	|__.__.__.__|	*range =* 0.0 to 60.0 (minutes) *default =* 0.0 (PV will not be delayed)

N/A if PNTFORM = Componnt

PVTV PV Target Value in EUs	|__.__.__.__.__.__.__.__|	*range =* PVEULO to PVEUHI, and NaN *default =* NaN
OVERVAL Overview Display Value	|__.__.__|	*range =* 0 to 100 *default =* 25

Alarming Display

N/A if PNTFORM = Componnt

The following two example parameters represent the typical format of alarm trip points and priorities. Please refer to these as you are entering trip points and alarm priorities that follow this information. **NOTE:** If you do not enter a trip point value for a given pair of trip points and alarm priorities, do not circle an alarm priority option for that pair (i.e., no trip point, no alarm priority).

PVLOTP PV Low Alarm Trip Point	|__.__.__.__.__.__.__.__|	*range =* PVLLTP to PVHITP, and NaN *default =* NaN

BADPVPR BAD PV Alarm Priority	Emergency High ***Low*** Journal NoAction	Reported to all Alarm Summary displays Reported to Area and Unit Alarm Summary Reported to Unit Alarm Summary display Logged but not reported to Op Stations Alarm is not reported to the system

N/A if PNTFORM = Componnt

PVALDB PV Alarm Deadband in %	Half (of 1%) Four	***One*** Five	Two EU	Three

N/A if PNTFORM = Componnt, Only if PVALDB = EU

PVALDBEU PV Alarm Deadband in EU	|__.__.__.__.__.__.__.__|	*range =* ≥0 *default =* 1.0

N/A if PNTFORM = Componnt

PVHITP PV High Alarm Trip Point	|__.__.__.__.__.__.__.__|	*range =* PVLOTP to PVHHTP, and NaN *default =* NaN

PVHIPR PV High Alarm Priority	Noaction	Journal	***Low***	High	Emergency

PVLOTP PV Low Alarm Trip Point	|__.__.__.__.__.__.__.__|	*range =* PVLLTP to PVHITP, and NaN *default =* NaN

SM **Analog Input Data** Point

NIM/PV Configuration Display (continued)

PVLOPR PV Low Alarm Priority	Noaction	Journal	***Low***	High	Emergency
BADPVPR Bad PV Alarm Priority	Noaction	Journal	***Low***	High	Emergency

N/A if PNTFORM = Componnt

ALENBST		Displayed	Logged	Reported to EIP
Point Alarm Enable Status	***Enable***	Yes	Yes	Yes
	Disable	No	Yes	Yes
	Inhibit	No	No	No

PRIMMOD |__.__.__.__.__.__.__.__| *range =* Not applicable
Primary Module ID *default =* Null

CCSRC |__.__.__.__.__| *range =* 0, 1 to 4000, 10001 to 14000
Target Alias Address in the TRICON for the Contact Cutout Flag *default =* 0 (Not configured/UCN Access allowed for CONTCUT)
Applies only if ALMOPT = OFFNORML or CHNGOST and PNTFORM = Full

SM **Analog Output Data** Point

SM **AnalgOut** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank
|__.__|

EUDESC |__.__.__.__.__.__.__.__| *range =* Not applicable
Engineering Units Descriptor *default =* Blank

KEYWORD |__.__.__.__.__.__.__.__| *range =* Not applicable
Keyword Descriptor *default =* Blank

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that Contains This Point *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

SLOTNUM |__.__.__| *range =* 0 to 500
Point Slot Number *default =* Not applicable
The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

PLCADDR |__.__.__.__.__| *range =* 0, 40251 to 40632 (Integer)
LC Source Address 41001 to 42000 (Real)
default = 0 (Not Configured)

OPFINHI |__.__.__.__.__.__.__.__| *range =* >OPFINLO
default = 4095.0

OPFINLO |__.__.__.__.__.__.__.__| *range =* <OPFINHI
default = 0.0

SM **Analog Output Data** Point

Operating Configuration Display

OPTDIR (AnalgOut)	***Direct***	For final OP: 0% = >4 mA; 100% = >20 mA
AO Direct/Reverse Action	Reverse	For final OP: 0% = >20 mA; 100% = >4 mA

PVFLTOPT |__| *range:* 1 =Integer
Enumeration of the TRICON data type 2 = Real
The value for this Parameter will be determined by PLCADDR. *default:* Not Configured

WRITPROT |__| *range:* 0 = READWRIT
Write Protect (Read Only) status of the AO point. 1 = READONLY
Based on the status of the TRICON-resident SM Write Protect parameter. *default:* READONLY

Mode Configuration Display

N/A if PNTFORM = Componnt

RCASOPT	***None***	No cascade mode of any type is allowed
Remote Cascade Option	Ddc	In Cas, AM point controls this point's OP
NMODE	***None***	**None, Man applies when RCASOPT = None.**
Analog Output Point's Normal Mode	Man	**None, Man, Cas applies when RCASOPT = Ddc.**
	Cas	No configured "normal" operating mode. Manual is the configured "normal" mode. If RCASOPT equals Ddc, Cascade may be configured as the "normal" mode.

N/A if NMODE = None, or if PNTFORM = Componnt

NMODATTR	***None***	Parameter NMODE sets "normal" mode
Normal Mode Attribute	Operator	Operator sets "normal" operating mode
	Program	Program sets "normal" operating mode
MODEPERM	***Permit***	Operator can change this point's mode
Mode Permissive	NotPerm	Operator cannot change this point's mode

SM **Digital Composite Data** Point

SM **AnalgOut** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank
|__.__|

EUDESC |__.__.__.__.__.__.__.__| *range =* Not applicable
Engineering Units Descriptor *default =* Blank

KEYWORD |__.__.__.__.__.__.__.__| *range =* Not applicable
Keyword Descriptor *default =* Blank

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that Contains This Point *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

SLOTNUM |__.__.__| *range =* 0 to 652
Point Slot Number *default =* Not applicable
The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

NOSTATES ***2*** 2 digital switch states can be configured
Number of Digital States 3 3 digital switch states can be configured

NODINPTS 0 0 digin connections can be configured
Number of Digital Input Connections ***1*** 1 digin connection can be configured
2 2 digin connections can be configured

NODOPTS 0 0 digout connections can be configured
Number of Digital Output Connections ***1*** 1 digout connection can be configured
2 2 digout connections can be configured
3 3 digout connections can be configured

SM **Digital Composite Data** Point

State Configuration Display

N/A if PNTFORM = Componnt

(1) = First active state
(0) = Inactive state
(2) = Second active state

STATETXT (1)
State 1 Descriptor (1) |__.__.__.__.__.__.__.__| *range =* Not applicable
default = On

STATETXT (0) *range =* Not applicable
State 0 Descriptor (0)|__.__.__.__.__.__.__.__| *default =* Off

STATETXT (2) *range =* Not applicable
State 2 Descriptor (2)|__.__.__.__.__.__.__.__| *default =* “State2”

BOXCLR (1)	Red	***Green*** (Middle box default)	White	Black
State 1 Box Color	Cyan	Yellow	Blue	Magenta
BOXCLR (0)	Red	Green	White	Black
State 0 Box Color	Cyan	***Yellow*** (Middle box default)	Blue	Magenta
BOXCLR (2)	***Red*** (Lower box default)	Green	White	Black
State 2 Box Color	Cyan	Yellow	Blue	Magenta

N/A if NODOPTS = 0

MOMSTATE	***None***	No momentary output states
Momentary Output States	Mom_0	State 0 is valid if (NOSTATES = 2)
	Mom_1	State 1 is valid if (NOSTATES = 2 or 3)
	Mom_2	State 2 is valid if (NOSTATES = 3)
	Mom_1_2	State 1 or 2 is valid if (NOSTATES = 3)

N/A if PNTFORM = Componnt

LOGICSRC
Logical Input Connection Source |__.__.__.__.__.__.__.__.__.__|

DISRC(1-2)
Target Alias Addresses in the TRICON for the DI Source

Input	**Source Point.Parameter**
D1	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__.__|
D2	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__.__|

SM **Digital Composite Data** Point

PV/Input Configuration Display

		Applies if NODINPTS = to 1
D1_1	***PVState1***	Use and display contents of STATETXT1
D1_One PV State	PVState0	Use and display contents of STATETXT0

		N/A if NODINPTS = 1
D2D1_00	PVState1	Use and display contents of STATETXT1
D2D1 Zero_Zero PV State	PVState0	Use and display contents of STATETXT0
	PVState2	Use and display contents of STATETXT2
	BadPV	Use and display contents of BADPVTXT
	MovPV	Use and display contents of MOVPVTXT
D2D1_01	***PVState1***	Use and display contents of STATETXT1
D2D1 Zero_One PV State	PVState0	Use and display contents of STATETXT0
	PVState2	Use and display contents of STATETXT2
	BadPV	Use and display contents of BADPVTXT
	MovPV	Use and display contents of MOVPVTXT
D2D1_10	PVState1	Use and display contents of STATETXT1
D2D1 One_Zero PV State	***PVState0***	Use and display contents of STATETXT0
	PVState2	Use and display contents of STATETXT2
	BadPV	Use and display contents of BADPVTXT
	MovPV	Use and display contents of MOVPVTXT
D2D1_11	PVState1	Use and display contents of STATETXT1
D2D1 One_One PV State	PVState0	Use and display contents of STATETXT0
	PVState2	Use and display contents of STATETXT2
	MovPV	Use and display contents of MOVPVTXT
	BadPV	Use and display contents of BADPVTXT

		N/A if PNTFORM = Componnt, or if NODINPTS = 0
PVSRCOPT	OnlyAuto	PV source selection is not available and field wiring or memory fetch supplies PV.
PV Source Option	***All***	Selection from PVSOURCE is available and Operator/CL-program may supply PV.
PVSOURCE	***Auto***	**Applies when PVSRCOPT = All.**
PV Source	Man	Field wiring or memory fetch supplies PV.
	Sub	PV is supplied by Operator or program.
	Track	A value is substituted by a CL-program. PV tracks the output.

Output Configuration Display

		N/A if NODOPTS < 2
NONECONF	On	
None State Configuration	***Off***	

SM **Digital Composite Data** Point

Output Configuration Display (continued)

		N/A if NODOPTS = 0	
STATE1	OUTPUT 1	OUTPUT 2	OUTPUT 3
ST1_OP1 (NODOPTS = 1) State 1 – Output 1	***Off*** ON	Not applicable	Not applicable
ST1_OP2 (NODOPTS = 2) State 1 – Output 2	***Off*** On	***Off*** On	Not applicable
ST1_OP3 (NODOPTS = 3) State 1 – Output 3	***Off*** On	***Off*** On	***Off*** On
STATE0			
ST0_OP1 (NODOPTS = 1) State 0 – Output 1	***Off*** On	Not applicable	Not applicable
ST0_OP2 (NODOPTS = 2) State 0 – Output 2	***Off*** On	***Off*** On	Not applicable
ST0_OP3 (NODOPTS = 3) State 0 – Output 3	***Off*** On	***Off*** On	***Off*** On
STATE 2			
ST2_OP1 (NODOPTS = 1) State 2 – Output 1	***Off*** On	Not applicable	Not applicable
ST2_OP2 (NODOPTS = 2) State 2 – Output 2	***Off*** On	***Off*** On	Not applicable
ST2_OP3 (NODOPTS = 3) State 2 – Output 3	***Off*** On	***Off*** On	***Off*** On
NONE_OPx	**N/A if NONECONF = OFF**		

DODSTN
Target Alias Addresses in the TRICON for the DO destination

Output	**Source Point.Parameter**
D1	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
D2	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
D3	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|

PISRC (1 - 3) \|__.__.__.__.__\| *range =* 0, 1 to 4000, or 10001 to 14000
Target Alias Addresses in the TRICON for Permissive Interlock Source *default =* 0 (Not Configured)

OISRC (1 - 3) \|__.__.__.__.__\| *range* = 0, 1 to 4000, or 10001 to 14000
Target Alias Addresses in the TRICON for Override Interlock Source *default* = 0 (Not Configured)

SM **Digital Composite Data** Point

Output Configuration Display (continued)

LMSRC Target Alias Addresses in the TRICON for Local/Manual Source	|__.__.__.__.__|	*range =* 0, 1 to 4000, or 10001 to 14000 *default =* 0 (Not Configured)

Mode Configuration Display

		N/A if NODOPTS = 0
NMODATTR Normal Mode Attribute	***None*** Operator Program	Parameter NMODE sets "normal" mode Operator sets "normal" operating mode Program sets "normal" operating mode
MODEPERM Mode Permissive	***Permit*** NotPerm	Operator can change this point's mode Operator cannot change this point's mode
OROPT Interlock Bypass Option	***Off*** On	
BYPASS Interlock Bypass State	***Off*** On	**Applies when OROPT = On.**

Alarming Display

		N/A if PNTFORM = Componnt, or if NODINPTS = 0		
ALMOPT Alarming Option	***None*** Cmddis Offnorml	No affect Alarm if field device did not respond within configured feedback time duration. Alarm if PV and PVNORMAL differs.		
FBTIME Feedback Time in Seconds	|__.__.__.__|	**Applies when ALMOP = Cmddis.** *range =* 1 to 1000 *default =* 1000		
PVNORMAL PV Value's Normal State Text	***Off***	**Applies when ALMOPT = Offnorml.** *range =* STATETXT(0) – STATETXT(2)		
ALENBST Point Alarm Enable Status		**Applies when ALMOP = Offnorml, Cmddis.**		
		<u>Displayed</u>	<u>Logged</u>	<u>Reported to EIP</u>
	Enable	Yes	Yes	Yes
	Disable	No	Yes	Yes
	Inhibit	No	No	No

SM **Digital Composite Data** Point

Alarming Display (continued)

N/A if NODOPTS = 0

BADPV PR		**Applies when ALMOPT = Offnorml, Cmddis.**
BADCTL PR CONDOISPR	NoAction	Alarm is not reported to the system.
OFFNRM PR	Journal	Logged but not reported to Op Stations.
	Low	Reported to Unit Alarm Summary display
	High	Reported to Area and Unit Alarm Summary
	Emergncy	Reported to all Alarm Summary displays
EVTOPT		**Applies when ALMOPt = None, Offnorml, Cmddis.**
Event Report Option	***None***	Neither Eip or Soe is allowed.
	Eip	Process special is triggered in AM/CG.
EIPPCODE		**Applies when EVTOPT = Eip.**
Event Init. Proc. Destination |__.__.__.__.__.__.__.__|		*range =* Not applicable
		default = Null

N/A if ALMOPT = None, or if PNTFORM = Componnt, or if NODINPTS = 0

PRIMMOD |__.__.__.__.__.__.__.__|	*range =* Not applicable
Primary Module ID	*default =* Null

	Applies only if ALMOPT = Offnorml or CMDDIS and PNTFORM = Full
CCSRC |__.__.__.__.__|	*range =* 0, 1 to 4000, 10001 to 14000
Target Alias Address in the TRICON for the Conact Cutout Flag	*default =* 0 (Not Configured)

SM **Digital Input Data** Point

SM **DigIn** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

NODETYP
Node Type
PM
APM
SM
range = Not applicable
default = PM

SMPLTFM
Type of Safety Control Platform
TRICON Safety Manager is using TRICON Controller
FSC Safety Manager is using FSC Controller

PNTFORM
Point Form
Full Point is fully displayed and alarmed
Componnt Point is partially displayed but not alarmed

PTDESC
Point Descriptor
|__.__|
range = Not applicable
default = Blank

EUDESC
Engineering Units Descriptor |__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

KEYWORD
Keyword Descriptor |__.__.__.__.__.__.__.__|
range = Not applicable
default = Blank

ASSOCDSP
Associated Display |__.__.__.__.__.__.__.__|
range = Alphanumeric
default = Blank

UNIT
Process Unit Point is Assigned to |__.__|
range = Alphanumeric
default = Not applicable

NTWKNUM
NIM's UCN that This Point Is In |__.__|
range = 1 to 20
default = Not applicable

NODENUM
SMM's Address on the UCN |__.__|
range = 1 to 64
default = Not applicable

SLOTNUM
Point Slot Number |__.__.__.__|
range = 0 to 2000
default = Not applicable

PLCADDR
Target Alias Address in TRICON for the PVRAW input. |__.__.__.__.__|
range = 0, 1 to 4000, or 10001 to 14000
default = 0 (Not Configured)

DITYPE
Digital Input Type
Status Status input (open/closed contacts)

SM **Digital Input Data** Point

Operating Configuration Display

N/A if PNTFORM = Component

STATETXT (1)	(1) |__.__.__.__.__.__.__.__|	*range =*	Not applicable	
State 1 Description Text		*default =*	"On"	
STATETXT (0)	(0)|__.__.__.__.__.__.__.__|	*range =*	Not applicable	
State 0 Description Text		*default =*	"Off"	
BOXCLR (1)	Red	***Green*** (Upper box default)	White	Black
State 1 Box Color	Cyan	Yellow	Blue	Magenta
BOXCLR (0)	Red	Green	White	Black
State 0 Box Color	Cyan	***Yellow*** (Lower box default)	Blue	Magenta

INPTDIR	***Direct***	Open = > pvraw = off; Closed = > pvraw = on
Digital Input Direction	Reverse	Closed = > pvraw = off; Open = > pvraw = on
PVSRCOPT	***OnlyAuto***	PV source selection is not available and field wiring or memory fetch supplies PV.
PV Source Option	All	Selection from PVSOURCE is available and Operator/CL-program may supply PV.
PVSOURCE		**Applies when PVSRCOPT = All.**
PV Source	***Auto***	Field wiring or memory fetch supplies PV.
	Man	PV is supplied by Operator or program.
	Sub	A value is substituted by a CL program.

SM **Digital Input Data** Point

Alarming Display

Applies only if PNTFORM = Full

ALMOPT
Alarming Option |__|

0 = None
1 = Offnorml
3 = Chngofst

PVNORMAL
PV Value's Normal State Text |__.__.__.__.__.__.__.__|

Applies when ALMOPT = Offnorml.
range = STATETXT(0) – STATETXT(1)
default = Text equal to "Off"

DLYTIME
Alarm Delay in Seconds |__.__|

Applies when ALMOPT = Offnorml.
range = 0 to 60
default = 5 (seconds)

ALPRIOR
Alarm Priority

Applies when ALMOPT = Offnorml.

NoAction	Alarm is not reported to the system.
Journal	Logged but not reported to Op Stations.
Low	Reported to Unit Alarm Summary display.
High	Reported to Area and Unit Alarm Summary.
Emergncy	Reported to all Alarm Summary displays.

ALENBST
Point Alarm Enable Status

Applies when ALMOPT = Offnorml.

	Displayed	Logged	Reported to EIP
Enable	Yes	Yes	Yes
Disable	No	Yes	Yes
Inhibit	No	No	No

EVTOPT
Event Reporting Option |__|

Applies only if ALMOPT = Offnorml or Chngofst.
0 = None
1 = Eip - Event Initiated Processing
2 = EipSoe - Event Initiated Proc. and Sequence of Events
3 = Soe - Sequence of Events

PVCHGDLY |__.__|
Preset in seconds for the PV Change Delay function which throttles timestamped event collection. Refer to PVCHTMR.

N/A if EVTOPT ≠ SOE or EIP_SOE
range = 0 to 60
default = 0

EIPPCODE
Event Init. Proc. Destination |__.__.__.__.__.__.__.__|

Applies when EVTOPT = Eip.
range = Not applicable
default = Null
N/A if ALMOPT = None.

PRIMMOD
Primary Module ID |__.__.__.__.__.__.__.__|

Applies when ALMOPT = Offnorml.
range = Not applicable
default = Null

SM **Digital Input Data** Point

Alarming Display

Applies only if PNTFORM = Full

CCSRC		**Applies only if ALMOPT = Offnorml or Chngofst.**
Target Alias Address in the TRICON for the Contact Cutout Flag	|__.__.__.__.__|	*range =* 0, 1 to 4000, or 10001 to 14000 *default =* 0 (Not Configured/UCN Access allowed for CONTCUT)

SM **Digital Output Data** Point

SM **DigOut** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank
|__.__|

EUDESC |__.__.__.__.__.__.__.__| *range =* Not applicable
Engineering Units Descriptor *default =* Blank

KEYWORD |__.__.__.__.__.__.__.__| *range =* Not applicable
Point Keyword Descriptor *default =* Blank

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that Contains This Point *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

SLOTNUM |__.__.__.__| *range =* 0 to 2000
Point Slot Number *default =* Not applicable

PLCADDR |__.__.__.__| *range =* 0, or 2001 to 4000
LC Source Address *default =* 0 (Not Configured)

DOTYPE ***Status*** Status input output
Digital Output Type Pulse Width Modulated type output

SM **Digital Output Data** Point

Operating Configuration Display

N/A if PNTFORM = Componnt

STATETXT (1)	(1) |__.__.__.__.__.__.__.__|	*range =*	Not applicable	
State 1 Description Text		*default =*	"On"	
STATETXT (0)	(0) |__.__.__.__.__.__.__.__|	*range =*	Not applicable	
State 0 Description Text		*default =*	"Off"	
BOXCLR (1)	Red	***Green*** (Upper box default)	White	Black
State 1 Box Color	Cyan	Yellow	Blue	Magenta
BOXCLR (0)	Red	Green	White	Black
State 0 Box Color	Cyan	***Yellow*** (Lower box default)	Blue	Magenta

NMODATTR	***None***	Parameter NMODE sets "normal" mode
Normal Mode Attribute	Operator	Operator sets "normal" operating mode
	Program	Program sets "normal" operating mode
MODEPERM	***Permit***	Operator can change this point's mode
Mode Permissive	NotPerm	Operator cannot change this point's mode

SM **Logic Data** Point

SM **Logic** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank
|__.__|

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that This Point Is In *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

SLOTNUM |__.__| *range =* 0 to 30
Point Slot Number *default =* Not applicable

Actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

LOGMIX ***12_0_12*** 12 inputs 0 logic blocks 12 outputs
Logic Mix

SM **Logic Data** Point

NIM Input Connections Display

LISRC
Target Alias Addresses in the TRICON for the Logic Input

Input	**Source Point.Parameter**
L1	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L2	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L3	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L4	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L5	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L6	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L7	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L8	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L9	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L10	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L11	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L12	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|

LIBADOPT	Off	"Off" state is substituted for bad input.
Logic Bad Input Handling Option	On	"On" state is substituted for bad input.
	Hold	Last good value is substituted for bad input.

LODSTN
Target Alias Addresses in the TRICON for the Logic output

Output	**Source Point.Parameter**
L1	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L2	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L3	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L4	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L5	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L6	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L7	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L8	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L9	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L10	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L11	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|
L12	|__.__.__.__.__.__.__.__•__.__.__.__.__.__.__.__|

SM **Logic Data** Point

NIM Input Connections Display (continued)

LOENBL |__.__.__.__.__|

NIM Logic Descriptors Display

N/A if PNTFORM = Componnt

NODESC *range =* 0 to 12
Number of Generic Descriptors |__.__| *default =* 0

Descr#	Generic Descriptors (defaults = blanks)	
1	**GENDESC**(1)	|__.__.__.__.__.__.__.__|
2	**GENDESC**(2)	|__.__.__.__.__.__.__.__|
3	**GENDESC**(3)	|__.__.__.__.__.__.__.__|
4	**GENDESC**(4)	|__.__.__.__.__.__.__.__|
5	**GENDESC**(5)	|__.__.__.__.__.__.__.__|
6	**GENDESC**(6)	|__.__.__.__.__.__.__.__|
7	**GENDESC**(7)	|__.__.__.__.__.__.__.__|
8	**GENDESC**(8)	|__.__.__.__.__.__.__.__|
9	**GENDESC**(9)	|__.__.__.__.__.__.__.__|
10	**GENDESC**(10)	|__.__.__.__.__.__.__.__|
11	**GENDESC**(11)	|__.__.__.__.__.__.__.__|
12	**GENDESC**(12)	|__.__.__.__.__.__.__.__|

SM **Flag** Point

SM **Flag** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME — *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP — PM / APM / ***SM*** — *range =* Not applicable; *default =* PM
Node Type

SMPLTFM — ***TRICON*** Safety Manager is using TRICON Controller; FSC Safety Manager is using FSC Controller
Type of Safety Control Platform

PNTFORM — ***Full*** Point is fully displayed and alarmed; Componnt Point is partially displayed but not alarmed
Point Form

PTDESC — *range =* Not applicable; *default =* Blank
Point Descriptor
|__.__|

EUDESC |__.__.__.__.__.__.__.__| — *range =* Not applicable; *default =* Blank
Engineering Units Descriptor

KEYWORD |__.__.__.__.__.__.__.__| — *range =* Not applicable; *default =* Blank
Point Keyword

ASSOCDSP |__.__.__.__.__.__.__.__| — *range =* Alphanumeric; *default =* Blank
Associated Display

UNIT |__.__| — *range =* Alphanumeric; *default =* Not applicable
Process Unit Point is Assigned to

NTWKNUM |__.__| — *range =* 1 to 20; *default =* Not applicable
NIM's UCN that This Point Is In

NODENUM |__.__| — *range =* 1 to 64; *default =* Not applicable
SMM's Address on the UCN

SLOTNUM |__.__.__.__| — *range =* 0 to 2000; *default =* Not applicable
Point Slot Number

The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

Operating Configuration Display

N/A if PNTFORM = Componnt

STATETXT (1) |__.__.__.__.__.__.__.__| — *range =* Not applicable; *default =* ON
State 1 Descriptor

STATETXT (0) |__.__.__.__.__.__.__.__| — *range =* Not applicable; *default =* OFF
State 0 Descriptor

BOXCLR (1) State 1 Box Color	Red	Green	White	Black
	Cyan	***Yellow***	Blue	Magenta
BOXCLR (0) State 0 Box Color	Red	***Green***	White	Black
	Cyan	Yellow	Blue	Magenta

SM **Flag** Point

Alarming Display

			N/A if PNTFORM = Componnt
OFFNRMPR		NoAction	Alarm is not reported to the system.
		Journal	Logged but not reported to Operator Stations.
		Low	Reported to Unit Alarm Summary display.
		High	Reported to Area and Unit Alarm Summary.
		Emergncy	Reported to all Alarm Summary displays.
ALENBST		***Enable***	*default =* Enable
Alarm Enable State		Disable	
		Inhibit	
EIPPCODE	|__.__.__.__.__.__.__.__|		*range =* Not applicable
EIP Point ID			*default =* Blank
PRIMMOD	|__.__.__.__.__.__.__.__|		*range =* Not applicable
Primary Module ID			*default =* Null
CCSRC	|__.__.__.__|		*range =* –1 to 8191
Contact Cutout Source			*default =* –1

SM **Timer** Point

SM **Timer** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank
|__.__|

EUDESC |__.__.__.__.__.__.__.__| *range =* Not applicable
Engineering Units Descriptor *default =* Blank

KEYWORD |__.__.__.__.__.__.__.__| *range =* Not applicable
Keyword Descriptor *default =* Blank

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that Contains This Point *default =* Not applicable

NODENUM |__.__| *range =* 1 to 64
SMM's Address on the UCN *default =* Not applicable

SLOTNUM |__.__.__.__| *range =* 0 to 1500
Point Slot Number *default =* Not applicable
The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

PLCADDR |__.__.__.__.__| *range =* 0, 2001 to 4000, or 10001 to 14000
Target Alias Address in the TRICON for the Run/Stop Contact *default =* 0 (Not Configured)

PVSLTSRC |__.__.__.__| *range =* 0, 31001 to 31382, or 40251 to 40632 (Integer)
Target Alias Address in the TRICON for the Accumulator Value *default =* 0 (Not Configured)

SPSLTSRC |__.__.__.__.__| *range* = 31001 to 31382, or 40251 to 40632 (Integer)
Target Alias Address in the TRICON for the Preset Value *default* = 0 (Not Configured)
The Preset value is not necessarily adjacent to the Accumulator.

SM **Timer** Point

NIM Operating Configuration Display

TIMEBASE Timer Base Period		***SECONDS*** MINUTES	*range =* *default =*	Seconds/Minutes Seconds
PVFORMAT PV Decimal Format	***D0***	D1		D2

SM **Numeric** Point

SM **Numeric** Data Point	**Engineer:**	**Date:**

Point Assignment Display

NAME *range =* Not applicable
Tag Name |__.__.__.__.__.__.__.__.__.__.__.__.__.__.__.__| *default =* Blank

NODETYP PM *range =* Not applicable
Node Type APM *default =* PM
SM

SMPLTFM ***TRICON*** Safety Manager is using TRICON Controller
Type of Safety Control Platform FSC Safety Manager is using FSC Controller

PNTFORM ***Full*** Point is fully displayed and alarmed
Point Form Componnt Point is partially displayed but not alarmed

PTDESC *range =* Not applicable
Point Descriptor *default =* Blank

|__.__|

EUDESC |__.__.__.__.__.__.__.__| *range =* Not applicable
Engineering Units Descriptor *default =* Blank

KEYWORD |__.__.__.__.__.__.__.__| *range =* Not applicable
Keyword Descriptor *default =* Blank

ASSOCDSP |__.__.__.__.__.__.__.__| *range =* Alphanumeric
Associated Display *default =* Blank

UNIT |__.__| *range =* Alphanumeric
Process Unit Point is Assigned to *default =* Not applicable

NTWKNUM |__.__| *range =* 1 to 20
NIM's UCN that Contains This Point *default =* Not applicable

NODENUM |__.__| *range* = 1 to 64
SMM's Address on the UCN *default* = Not applicable

SLOTNUM |__.__.__.__| *range* = 0 to 1000
Point Slot Number *default* = Not applicable

The actual Range check will be calculated on the PU count for each Point type and the mix of configured Points desired.

SM **Numeric** Point

PVFORMAT |__.__| *range:* D0 (XXXX.)
D1 (XXX.X)
D2 (XX.XX)
D3 (X.XXX)
default: D0 — PVFLTOPT = Integer
D2 — PVFLTOPT = Floating

WRITPROT |__| *range:* 0 = READWRIT
1 = READONLY
Write Protect (Read Only) status of the Numeric Point
Based on the status of the TRICON-resident SM Write Protect parameter. *default* = READONLY

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