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H0–PSCM Profibus Slave Communication GSD File

In this Appendix. . . .

H0–PSCM Profibus Slave Communications Module GSD File

This appendix shows the contents of the GSD file for the H0–PSCM Profibus Slave Communications Module. It is included for reference only. The electronic data diskette is included with this manual. The latest GSD file is always availabe for download on the **www.AutomationDirect.com** website. It can always be downloaded from the GSD Library located on the Profibus Trade Organization website **www.profibus.com**.


```
;=======================================================
; GSD File For AutomationDirect.com H0–PSCM
; using the SPC3 ASIC
; Version:  V0.1
;=======================================================
#Profibus_DP
GSD_Revision=2

;General parameters
Vendor_Name     = ”AutomationDirect.com”
Model_Name      = ”H0–PSCM”
Revision        = ”V1.0”
Ident_Number    = 0x0779
Protocol_Ident  = 0
Station_Type    = 0
FMS_supp        = 0
Hardware_Release= ”REV. 2”
Software_Release= ”REV 1.1.11”
9.6_supp        = 1
19.2_supp       = 1
45.45_supp      = 1
93.75_supp      = 1
187.5_supp      = 1
500_supp        = 1
1.5M_supp       = 1
3M_supp         = 1
6M_supp         = 1
12M_supp        = 1
MaxTsdr_9.6     = 60
MaxTsdr_19.2    = 60
MaxTsdr_45.45   = 250
MaxTsdr_93.75   = 60
MaxTsdr_187.5   = 60
MaxTsdr_500     = 100
MaxTsdr_1.5M    = 150
```

```
MaxTsdr_3M        = 250
MaxTsdr_6M        = 450
MaxTsdr_12M       = 800
Redundancy        = 0
Repeater_Ctrl_Sig = 0
24V_Pins          = 0
Implementation_Type  = ”ASIC, SPC3”
Bitmap_Device        = ”Bitmap1N”
Bitmap_Diag          = ”Bitmap1D”
Bitmap_SF            = ”Bitmap1S”
; Slave–Specification:
Freeze_Mode_supp     = 1
Sync_Mode_supp       = 1
Set_Slave_Add_Supp   = 0
Auto_Baud_supp       = 1
Min_Slave_Intervall  = 1
Fail_Safe            = 0
Max_Diag_Data_Len    = 64
Modul_Offset         = 0
Slave_Family         = 3@DL–205
Modular_Station      = 1
Max_Input_Len        = 244
Max_Output_Len       = 244
;Max_Data_len        = 488
Max_Data_len         = 256
Max_Module           = 4

; UserPrmData: Length and Preset:
Max_User_Prm_Data_Len = 64 ; 32 Bytes reserved for profibus module + 4 bytes per slot
Ext_User_Prm_Data_Const(0) = 0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,
0x00,0x00,0x00,0x00,0x00,0x00

PrmText=0
Text(0)=”X”
Text(1)=”Y”
Text(2)=”C”
Text(3)=”S”
Text(4)=”T”
Text(5)=”CT”
Text(6)=”GX”
Text(7)=”GY”
Text(8)=”V”
EndPrmText
```

```
ExtUserPrmData=0 ”Read Address (decimal fmt)”
Unsigned16 0 0–32767
EndExtUserPrmData

ExtUserPrmData=1 ”Write Address (decimal fmt)”
Unsigned16 0 0–32767
EndExtUserPrmData

ExtUserPrmData=2 ”V Mem Read Addr (decimal fmt)”
Unsigned16 1024 0–32767
EndExtUserPrmData

ExtUserPrmData=3 ”V Mem Write Addr (decimal fmt)”
Unsigned16 1024 0–32767
EndExtUserPrmData

ExtUserPrmData=4 ”Bit Type”
Unsigned8 2 0–8
Prm_Text_Ref=0
EndExtUserPrmData
; EMPTY SLOT
Module = ”Empty Slot” 0x00
EndModule

; WORD READS
Module=”1 WORD READ FROM PLC” 0x41,0xC0,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”2 WORD READ FROM PLC” 0x41,0xC1,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”3 WORD READ FROM PLC” 0x41,0xC2,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”4 WORD READ FROM PLC” 0x41,0xC3,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
```

```
Module="5 WORD READ FROM PLC" 0x41,0xC4,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="6 WORD READ FROM PLC" 0x41,0xC5,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="7 WORD READ FROM PLC" 0x41,0xC6,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule

Module="8 WORD READ FROM PLC" 0x41,0xC7,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="9 WORD READ FROM PLC" 0x41,0xC8,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="10 WORD READ FROM PLC" 0x41,0xC9,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="11 WORD READ FROM PLC" 0x41,0xCA,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="12 WORD READ FROM PLC" 0x41,0xCB,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="13 WORD READ FROM PLC" 0x41,0xCC,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module="14 WORD READ FROM PLC" 0x41,0xCD,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
```

```
Module=”15 WORD READ FROM PLC” 0x41,0xCE,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”16 WORD READ FROM PLC” 0x41,0xCF,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”18 WORD READ FROM PLC” 0x41,0xD1,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”20 WORD READ FROM PLC” 0x41,0xD3,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”24 WORD READ FROM PLC” 0x41,0xD7,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”30 WORD READ FROM PLC” 0x41,0xDD,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule
Module=”32 WORD READ FROM PLC” 0x41,0xDF,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 2
EndModule

; WORD WRITES
Module=”1 WORD WRITE TO PLC” 0x81,0xC0,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”2 WORD WRITE TO PLC” 0x81,0xC1,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”3 WORD WRITE TO PLC” 0x81,0xC2,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
```

```
Module="4 WORD WRITE TO PLC" 0x81,0xC3,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule

Module="5 WORD WRITE TO PLC" 0x81,0xC4,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="6 WORD WRITE TO PLC" 0x81,0xC5,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="7 WORD WRITE TO PLC" 0x81,0xC6,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="8 WORD WRITE TO PLC" 0x81,0xC7,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="9 WORD WRITE TO PLC" 0x81,0xC8,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="10 WORD WRITE TO PLC" 0x81,0xC9,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="11 WORD WRITE TO PLC" 0x81,0xCA,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="12 WORD WRITE TO PLC" 0x81,0xCB,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module="13 WORD WRITE TO PLC" 0x81,0xCC,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
```

```
Module=”14 WORD WRITE TO PLC” 0x81,0xCD,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”15 WORD WRITE TO PLC” 0x81,0xCE,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”16 WORD WRITE TO PLC” 0x81,0xCF,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”18 WORD WRITE TO PLC” 0x81,0xD1,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”20 WORD WRITE TO PLC” 0x81,0xD3,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”24 WORD WRITE TO PLC” 0x81,0xD7,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”30 WORD WRITE TO PLC” 0x81,0xDD,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule
Module=”32 WORD WRITE TO PLC” 0x81,0xDF,0x02
Ext_Module_Prm_Data_Len = 2
Ext_User_Prm_Data_Ref(0) = 3
EndModule


; BIT READS
Module=”8 BIT READ FROM PLC” 0x41,0x80,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
```

```
Module="16 BIT READ FROM PLC" 0x41,0x81,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="24 BIT READ FROM PLC" 0x41,0x82,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="32 BIT READ FROM PLC" 0x41,0x83,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="40 BIT READ FROM PLC" 0x41,0x84,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="48 BIT READ FROM PLC" 0x41,0x85,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="56 BIT READ FROM PLC" 0x41,0x86,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
Module="64 BIT READ FROM PLC" 0x41,0x87,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 0
EndModule
```

```
; BIT WRITES
Module=”8 BIT WRITE TO PLC” 0x81,0x80,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”16 BIT WRITE TO PLC” 0x81,0x81,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule

Module=”24 BIT WRITE TO PLC” 0x81,0x82,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”32 BIT WRITE TO PLC” 0x81,0x83,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”40 BIT WRITE TO PLC” 0x81,0x84,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”48 BIT WRITE TO PLC” 0x81,0x85,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”56 BIT WRITE TO PLC” 0x81,0x86,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
Module=”64 BIT WRITE TO PLC” 0x81,0x87,0x03
Ext_Module_Prm_Data_Len = 3
Ext_User_Prm_Data_Ref(0) = 4
Ext_User_Prm_Data_Ref(1) = 1
EndModule
```