

Volatge Presence variable for T200S

Subject FAQ for Volatge Presence variable for T200S

Scope FAQ

Terminology

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1.1 - Question

Which is the correct variable for MV presence which co-relates to pin no. 8 of Mate N-Lok 9 pin connector in T200S ?

1.2 - Application

This FAQ is applicable when it is required to identify correct variable for a digital input for MV presence.

1.3 - Answer

The variable Aux._MV_Presence_x (TSS54 for switch-1 and TSS85 for switch-2) co-relates to pin no. 8 of Mate N-Lok 9 pin connector in T200S. These two are the only variable for voltage presence/absence, which will be used by Automatism function for switch-1 (TSS54) and switch-2(TSS85) in T200S.

The screenshot shows the Schneider Electric TS02A-xxBM22ZZxxEx interface. The 'Equipment status' table is as follows:

Label	Status	
Switch state 1		
Switch_status_1	Undefined	
Switch_locked_1	No	
Auxiliary_DI_1	No	
Aux_MV_Presence_1	No	TSS54
Earth_fault_1	No	
MV_Presence_1	No	TSS73
Phase_fault_1	No	
Number_of_operations_1	0	

The 'Channel 1' table is as follows:

Type Internal No.	Access	Options	Object	Index (Dec)	Index (Hex)
TS01	VISU		Binary input	52.0	340
TS02	VISU		Binary input	56.8	388
TCD 1	EXPL		Relay output control block	48.0	308
CNT 1	VISU		Analogue input, 16 bits	NA	NA
TCD 25	ADMIN		Relay output control block	NA	NA
TSS 51	VISU		Binary input	NA	NA
TSS 73	VISU		Binary input	57.4	394
TSS 54	VISU		Binary input	NA	NA
TSS 71	VISU		Binary input	56.1	381
TSS 77	VISU		Binary input	56.0	380
TM 2	VISU		Analogue input, 16 bits	NA	NA

The variable **MV_Presence_x (TSS73 and TSS105)** are for T200P, where it will be derived from Voltage measurements.

1.4 - Performance

The automatism function will work perfectly fine when Aux._MV_Presence. This digital input is used to detect voltage presence or absence for respective switch.