

TECHTROL LEVEL CONTROLLER

"TLC"

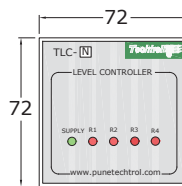
TLC is used for remote level indication & control

It is available in three types TLC-F or TLC-M or TLC-N. The controller TLC-F is used with the float switches and TLC-M with magnetic switches of Magnetic Level Gauges, having reed type switching contacts. It amplifies the power ratings of reed switches to 5A @250 VAC through its relay output. The controller TLC-N is used alongwith the probe in conductivity switch.

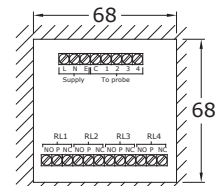
Dimensions and Mounting Details



Panel Mounted



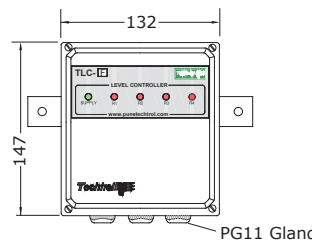
Front view



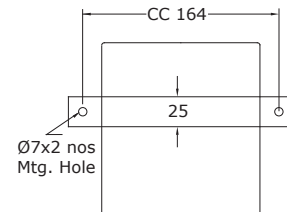
Rear view (Cutout)



Wall Mounted (W.proof)



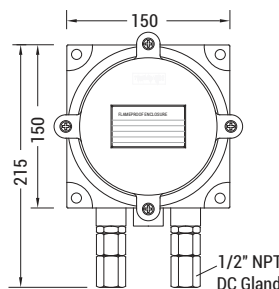
Front view



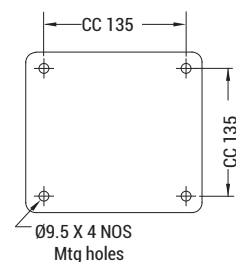
Rear view



Wall Mounted (Ex-proof)



Front view



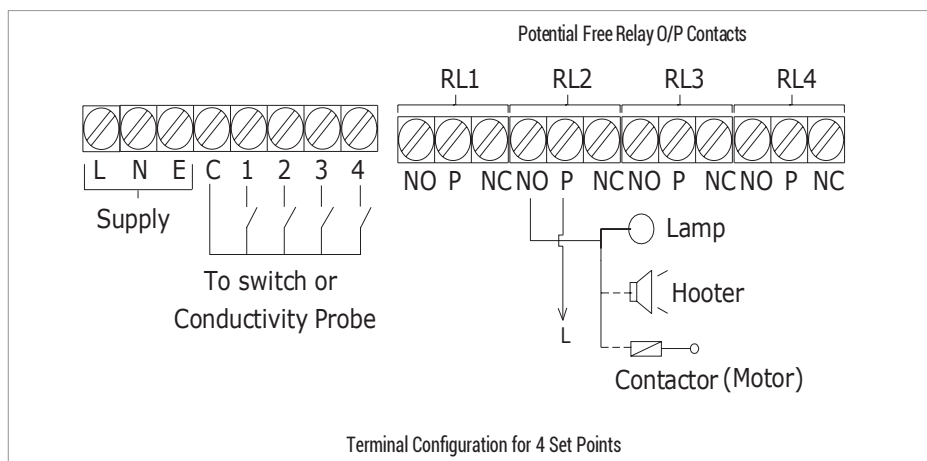
Rear view

SPECIFICATIONS

Model	TLC-F or TLC-M	TLC-N
Input (Product Series)	Potential free contacts of FGS, MFGS, MFPS or Magnetic Switch of MLG	CNS probe
Input Signal Voltage	24 VDC	6 VAC, 20 mA
Power Supply	90 – 270 VAC or 24 VDC, ± 10 %	
No. of Set Points	Two or Four	
Relay Outputs	2 x SPDT or 4 x SPDT or 2 x DPDT (Potential free relay contacts rated for 5A, 250 VAC) 4 x DPDT with two controller units	
Relay Latching	Field settable through DIP switch between L1 & L2 ; L3 & L4	
Fail Safe Operation	NA	FSH or FSL through DIP switch setting
LED Indications	Green- Supply, Red- Alarm (Relay On status)	
Delay Time	2 sec	
Power Consumption	< 3 VA (90 - 270 VAC), 8 VA (24 VDC)	< 10 VA
Terminals	Suitable for 1.5 mm ² conductor size	
Enclosure x Cable Entry	1. ABS Panel Mounted IP41 (Size 72 x 72 x 130 D mm) 2. Cast Al. powder ctd. IP66, wall mtd. (Size 147 x 132 x 80 H mm) x PG11 Cable Gland, Polyamide 3. Cast Al. powder ctd. Exd. Gr. IIB, wall mtd. (Size 150 x 150 x 122 H mm) 1/2" NPT DC Cable Gland, Brass	
Ambient Temperature	0 to 55°C	
Humidity	90 % Rh (Non condensing)	
CE Certification	For Panel Mounted TLC-F and TLC-M	

Note : Control Panels with Customized Logic for Pump Automation with Auto/ Manual Facility and Hooter with Reset Function are available on demand.

TERMINATION



MODEL IDENTIFICATION

TLC -					
1. Product Series					
FGS/MFGS/MFPS	F				
MLG	M				
CNS	N				
2. Enclosure x Cable Entry					
ABS Panel Mtd. IP41	P				
Cast Al. IP66 Wall Mtd. x PG11 Cable Gland	J				
Cast Al. Exd Gr. IIB, Wall Mtd. x 1/2" NPT DC Cable Gland	E				
Others	O				
3. Power Supply					
90 to 270 VAC			1		
24 VDC			2		
4. No. of Set Point x Relay Output					
Two x SPDT				2	
Four x SPDT				4	
Two x DPDT				6	
Four x DPDT (with 2 controller unit)				8	
Other				0	
5. Relay Latching					
No					N
Yes					Y

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