



Loop Detector



TMT Global 1/2CH Loop Detector

TMT Global Loop detectors in recent years have become a popular tool having innumerable applications in policing, right from surveillance operations to traffic control. Automation of gates and doors has become a popular usage of the loop detector. The digital technology of the loop detector enables the equipment to sense a change in the inductance of the loop as soon as it detects the metal object in its path. The inductive loop which detects the object is made of insulated electrical wire (32/020; 32 Strand, 2mm diameter) and is arranged either as a square or rectangle shape. The loop consists of several loops of wire and consideration should be giving to the loop sensitivity when installing on different surfaces. Setting the correct sensitivity allows the loop to operate with maximum detection (16 levels via a trim pot). When detection occurs, the detector energizes 2 relays for the output (each can be configured individually). This energizing of the relay can be configured into different modes, by selecting the respective dip switch. The TMT Global Enhanced Vehicle detector is also provided with an integral fault relay, which will provide an output in the event of a loop fault condition.

Technical Parameters	
Product Name	Loop Detector
Self-turning range	20-2000μH
Response Times	Turn-on 10-90MS Turn-off 10-90MS
Sensitivity	16 way selectable , Highest 0.010% DL/L , Lowest 2.56% DL/L
Power Requirements	110-240VAC (48 to 62Hz) 12-24VADC(48 to 62Hz)
Visual Indications	Power LED-Red, Channel LED-Green
Reset	Reset by push button on front of enclosure
Frequency	Four step switch selectable 20-80KHz
Relay Output	Presence Relay/Fault Relay
Voltage tolerance AC	+10% / -15%
Voltage tolerance DC	±15%
Device Channel	Single /Double
Operating temperature	40°C to +70°C (-111°F to +158°F)
Sensitivity	4 levels adjustable
Relative Humidity	<95%
Application	open gate, match with barrier gate, gate opener etc

ORDERING INFORMATION	
MODEL NO	DESCRIPTION
TMT-7760	single channel, boxed, 1 type 11pin connects 100-240V AC
TMT-7761	single channel, boxed, 1 type 11pin connects 12-24VADC/AC
TMT-7762	Dual channel, boxed, 2 type 11pin connects 100-240VAC
TMT-7763	Dual channel, boxed, 2 type 11pin connects 12-24VADC/AC