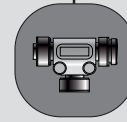


Diagnostic Tees/Surge Suppressor



- Minimizes maintenance repair and downtime by analyzing bus power quality
- Predicts power faults by logging outside of specification power conditions thereby increasing uptime
- Helps quickly certify new installations



The Power Monitor Tee is a helpful DeviceNet diagnostic tool installed at critical junctions of your network. It is designed to show you what the power condition is, when an improper condition occurred and what that condition was. The diagnostic power monitor tee constantly monitors your network for real-time power fluctuations providing intuitive multi-colored LED indications about the feedback on network power. Power line fault conditions are "held" in memory for a period of 24 hours or until a magnet resets to resume normal monitoring operation.

Diagnostic Tees

LEFT TRUNK CONNECTION MALE FACE VIEW		RIGHT TRUNK CONNECTION FEMALE FACE VIEW		DROP FEMALE CONNECTOR FACE VIEW	
	FIG	STANDARD BUS DROP TEE WITH POWER DIAGNOSTICS			
MALE (L) FEMALE(R)	1	DN3020PM-1			
LEFT TRUNK CONNECTION FEMALE FACE VIEW		RIGHT TRUNK CONNECTION MALE FACE VIEW		DROP FEMALE CONNECTOR FACE VIEW	
	FIG	STANDARD BUS DROP TEE WITH POWER DIAGNOSTICS			
FEMALE (L) MALE(R)	1	DN3020PM-3			
LEFT TRUNK CONNECTION MALE FACE VIEW		RIGHT TRUNK CONNECTION FEMALE FACE VIEW			
	FIG	INLINE ADAPTER WITH POWER DIAGNOSTICS			
MALE (L) FEMALE(R)	2	115011A-PM-1			
LEFT TRUNK CONNECTION FEMALE FACE VIEW		RIGHT TRUNK CONNECTION MALE FACE VIEW			
	FIG	INLINE ADAPTER WITH POWER DIAGNOSTICS			
FEMALE (L) MALE(R)	2	115011A-PM-3			
	FIG	IN-LINE SURGE SUPPRESSOR			
FEMALE/ MALE	3	DN-SPNET			

International patents pending

DIMENSIONS

Diagnostic Tees

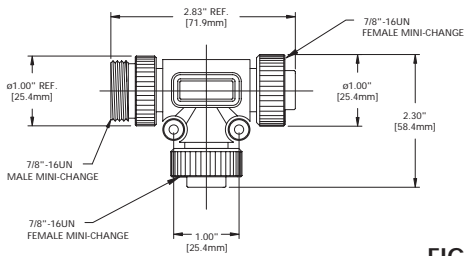


FIG 1

Inline Diagnostic Tee

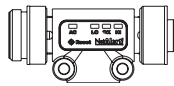


FIG 2

Surge Suppressor

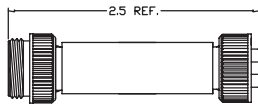


FIG 3

MECHANICAL	
CONNECTOR FACE:	THERMO PLASTIC ELASTOMER
MOLDED BODY:	THERMO PLASTIC ELASTOMER
COUPLING NUT:	ZINC DIECAST BLACK E-COAT
ELECTRICAL	
POWER SUPPLY:	7-30V DC, < 50mA
BASIC ANALOG ACCURACY:	± 100mV
MINIMUM "LOW"	
VOLTAGE THRESHOLD:	<12.96V
NOMINAL "OK" VOLTAGE RANGE:	12.96V – 24.78V
MAXIMUM "HIGH"	
VOLTAGE THRESHOLD:	>24.78V
GLITCH/RIPPLE THRESHOLD (AV/AT):	VAR 75 V/S @ 16mS TO 640 V/S @ 1mS
RESET:	MAGNET AT DROP "RESET" CHANGES MAG REED SWITCH STATE
ENVIRONMENTAL	
PROTECTION:	IP67
AMBIENT OPERATING TEMP:	32° TO 140° F (0° TO 60° C)

DIAGNOSTIC TEE

INDICATION	LED DISPLAY	CONDITION
OK	GREEN	NORMAL
HI	RED	OVERVOLTAGE
LO	BLUE	UNDERVOLTAGE
HI	FLASHING RED	SURGE W/ IN LAST 24 HOURS
LO	FLASHING BLUE	BROWN OUT W/ IN LAST 24 HOURS
AC	FLASHING YELLOW	POWER GLITCH W/ IN LAST 24 HOURS