



Top Mount, Single Keyway with Molded Home Run Cable

Simplifies wiring installation, molded PVC home run cable
Flexibility with 4 and 8 port configurations
PNP and NPN versions for use in a variety of DC sensors

	4 Port	8 Port
HOME RUN CABLE COLOR CODE	white-port #1 load green-port #2 load yellow-port #3 load gray-port #4 load	white-port #1 load green-port #2 load yellow-port #3 load gray-port #4 load pink-port #5 load red-port #6 load black-port #7 load violet-port #8 load green/yellow-gnd brown-V+ blue-V-

FUNCTIONAL WIRING	MPIS SINGLE KEYWAY WITH MOLDED HOME RUN CABLE			
PNP SCHEMATIC, FIG 1 	HOME RUN CABLE 5M PUR		FIG	FIG
	3	BTY401P-FBP-05	4	BTY801P-FBP-05
	HOME RUN CABLE 10M PUR			
	3	BTY401P-FBP-10	4	BTY801P-FBP-10
	HOME RUN CABLE 5M PVC			
	3	BTY401P-FBE-05	4	BTY801P-FBE-05
NPN SCHEMATIC, FIG 2 	HOME RUN CABLE 5M PUR		FIG	FIG
	3	BTY401N-FBP-05	4	BTY801N-FBP-05
	HOME RUN CABLE 10M PUR			
	3	BTY401N-FBP-10	4	BTY801N-FBP-10
	HOME RUN CABLE 5M PVC			
	3	BTY401N-FBE-05	4	BTY801N-FBE-05
HOME RUN CABLE 10M PVC				
3	BTY401N-FBE-10	4	BTY801N-FBE-10	

* Use 5P male Micro-Change® single keyway M12 male cordsets page 94 or female/male cordsets page 96 to connect to the MPIS units

Specifications



MECHANICAL
 INSERT: PA
 HOUSING: GLASS-FILLED PBT
 RECEPTACLE HOUSING: NICKEL-PLATED BRASS
 ID LABEL: ABS
HOME RUN CONNECTOR

BLACK, PUR CABLE JACKET, (3) #16 AWG OVER EITHER (4) OR (8) #22 AWG AND PVC CONDUCTOR INSULATION OVER EITHER 41 X #34 (#16 AWG) OR 26 X #36 (#22AWG) COPPER STRANDING OVER 65 X #34 COPPER STRANDING, 600 V 0.29" (7.4mm)

OUTSIDE DIAMETER:

ELECTRICAL

VOLTAGE RATING: 10-30V DC
 AMPERAGE: 4A PER PORT, 12A MAX PER UNIT
 INDICATING LIGHTS: GREEN LED-POWER, YELLOW LED-FUNCTION
 AVERAGE LED EXPECTANCY: 100,000 HOURS

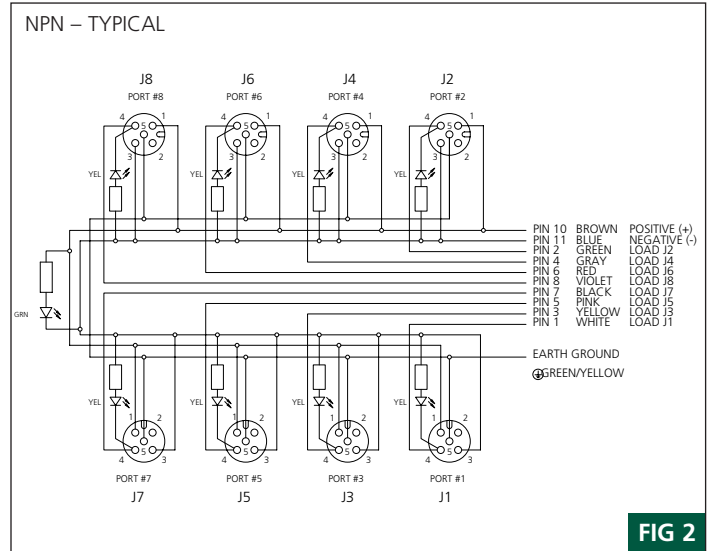
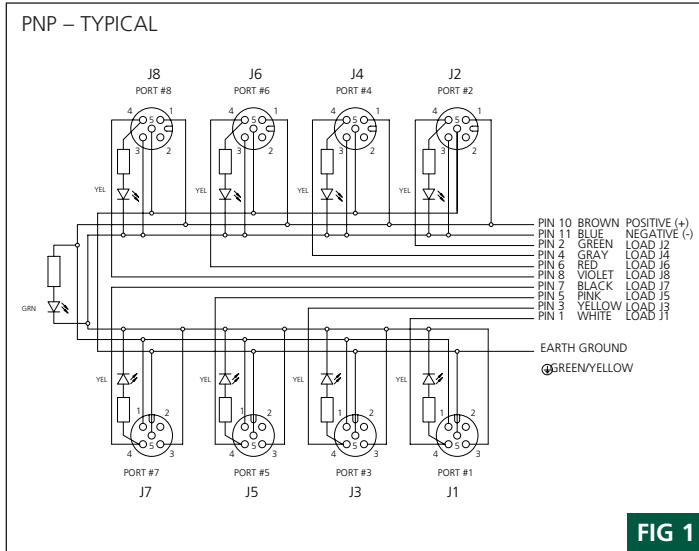
ENVIRONMENTAL

PROTECTION: IP68, NEMA 6P
 AMBIENT OPERATING TEMPERATURE: -13° TO 194° F (-25° TO 90° C)

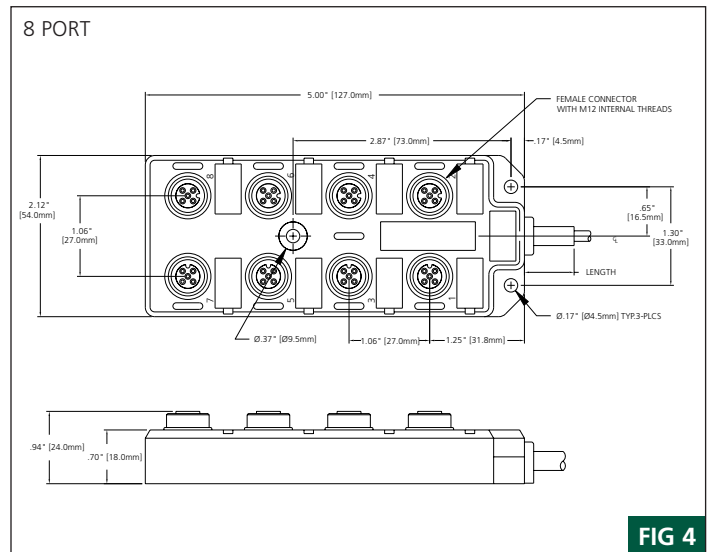
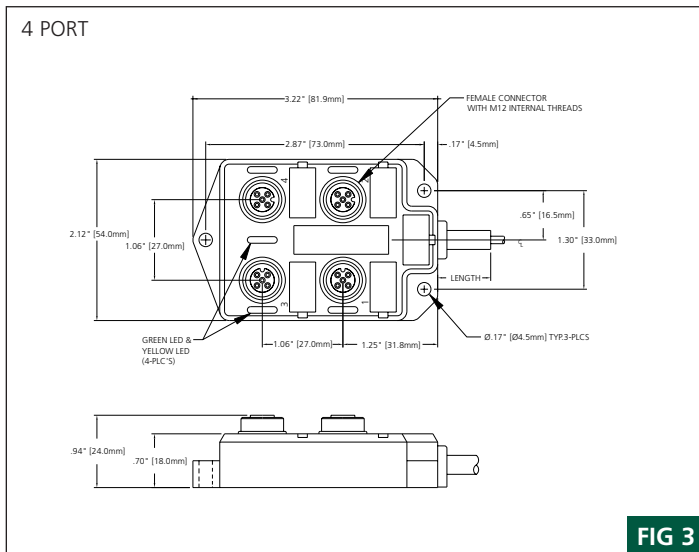
CERTIFICATIONS

UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

SCHEMATICS



MECHANICALS



Standard Accessories - Sufficient marking labels and (2) closure caps
 * Other Micro-Change MPIS accessories - see page 298



Top Mount, Single Keyway Twin-Wired with Field-Attachable Home Run Cable

Field-attachable home run cable provides flexibility in installation
 Allows for specialty user – supplied control cable options
 User can decide home run cable lengths at last minute
 Cable can exit at either top or end of MPIS

NEW	4 Port SCHEMATIC, FIG 1	6 Port SCHEMATIC, FIG 2	8 Port SCHEMATIC, FIG 3
FUNCTIONAL WIRING DIAGRAM			
TERMINAL BLOCK PINOUTS	1- port #1 load #2 2- port #2 load #2 3- port #3 load #2 4- port #4 load #2 5- n/c 6- n/c 7- n/c 8- n/c	9- port #1 load #1 10- port #2 load #1 11- port #3 load #1 12- port #4 load #1 17- V+ 18- V- 19- gnd	1- port #1 load #2 2- port #2 load #2 3- port #3 load #2 4- port #4 load #2 5- port #5 load #2 6- port #6 load #2 9- port #1 load #1 10- port #2 load #1

MPIS SINGLE KEY WAY TWIN-WIRED, PNP WITH FIELD ATTACHABLE CONTROL CABLE						
	FIG		FIG		FIG	
MPIS	2	BTY403P-FBA	3	BTY403P-FBA	4	BTY403P-FBA

* Use 5 pole male Micro-Change® M12 cordsets page 94 or male/female cordsets page 96 to connect to the MPIS ports
 * Home run control cable not supplied
 * Both top entry and side entry home run cables allowed
 * Use Micro-Change® M12 splitter assemblies page 300 to connect dual inputs

Specifications



MECHANICAL
 INSERT: PBT
 HOUSING: PBT
 RECEPTACLE HOUSING: NICKEL-PLATED BRASS
 ID LABEL: PA
HOME RUN CONNECTOR

SCREW TERMINATION; MAXIMUM WIRE GAUGE #18 AWG, CONTROL CABLE DIAMETER TO FIT PG16 GROMMET 0.31-0.51" (8-14mm)

ELECTRICAL
 VOLTAGE RATING:
 AMPERAGE:
 INDICATING LIGHTS:

10-30VDC
 2A MAX PER PORT, 12A MAX PER UNIT
 GREEN LED-POWER,
 YELLOW LED-FUNCTION
 100,000 HOURS

AVERAGE LED EXPECTANCY:
ENVIRONMENTAL

PROTECTION: IP68, NEMA 6P
 AMBIENT OPERATING TEMPERATURE: -13° TO 194° F (-25° TO 90° C)

SCHEMATICS

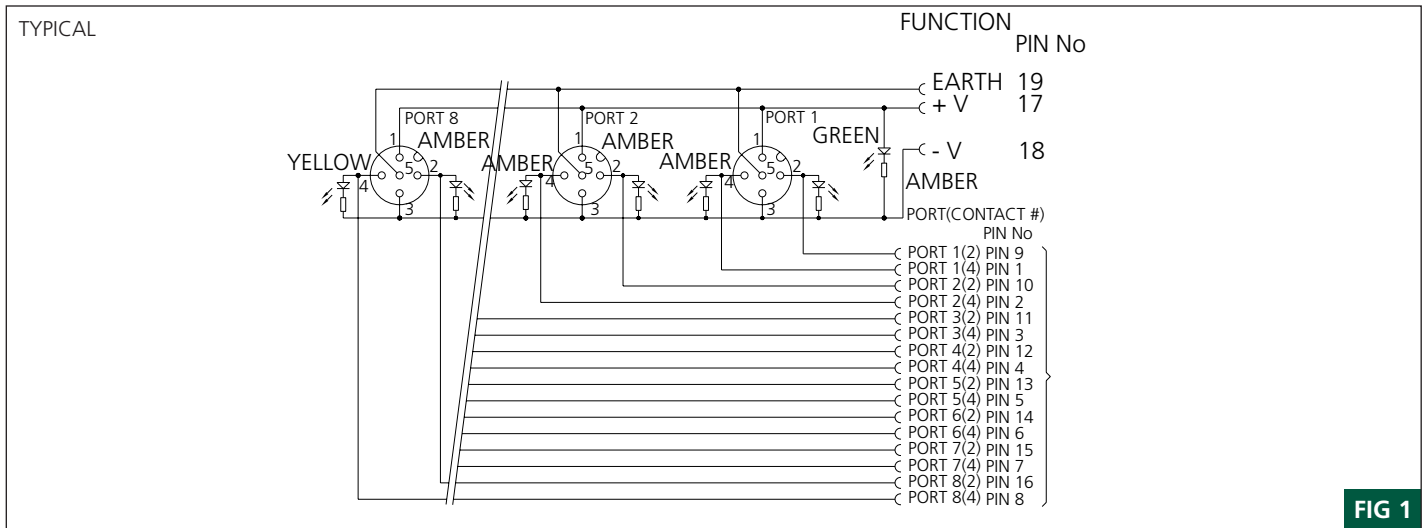


FIG 1

MECHANICALS

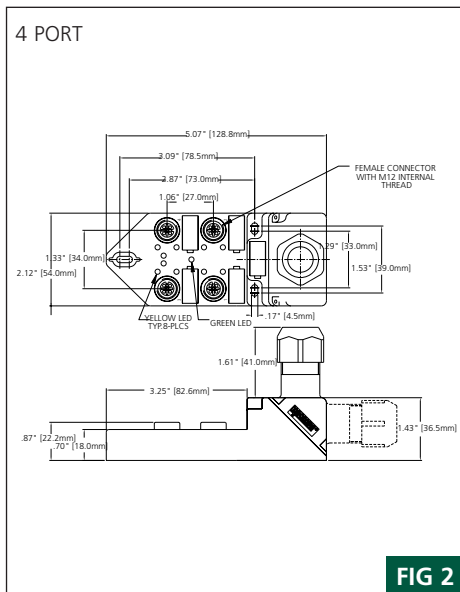


FIG 2

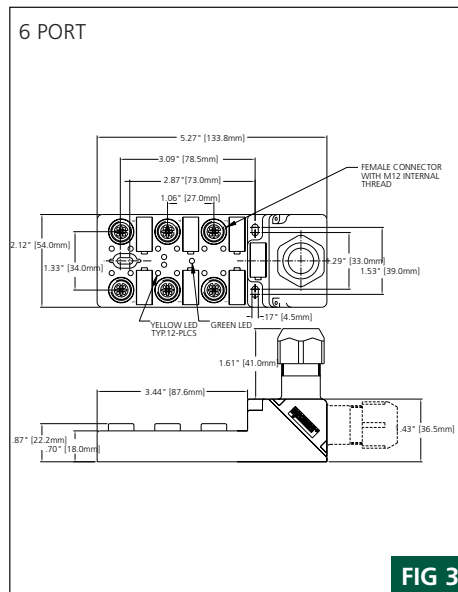


FIG 3

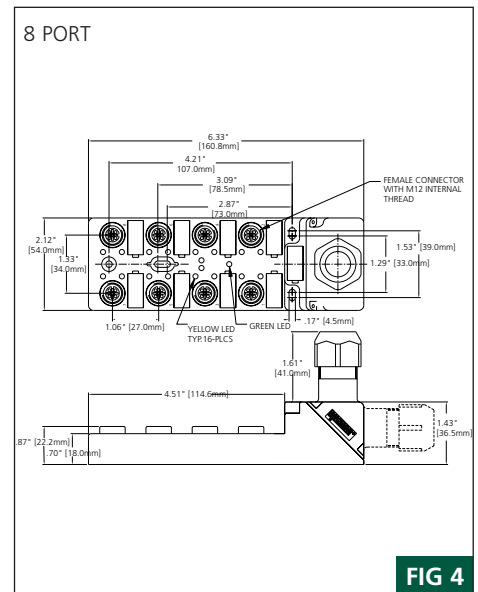


FIG 4

Standard Accessories - Sufficient marking labels and (2) closure caps
 * Other Micro-Change MPIS accessories - see page 299