



Your **definitive** source
for quality pre-owned
equipment.

Artisan Technology Group

(217) 352-9330 | sales@artisanng.com | artisanng.com

Full-service, independent repair center

with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment

along with credit for buybacks and trade-ins.

Custom engineering

so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the Molex / Brad Harrison 712P801 at our website: **Click [HERE](#)**



Side Mount, Dual Keyway

Parallel Wiring-LED with Home Run Connector

Connectorized home run connection for maximum flexibility
Flexibility with 4, 6 and 8 port configurations
For use with a variety of AC sensors

	4 Port SCHEMATIC, FIG 1	6 Port SCHEMATIC, FIG 2	8 Port SCHEMATIC, FIG 3
FUNCTIONAL WIRING DIAGRAM			
HOME RUN CONNECTOR PINOUTS	1-LED return (L2) 2-port #3 load 3-common (L1) 4-port #1 load	5-port #2 load 6-port #4 load 7-gnd 1-port #2 load 2-port #4 load 3-port #6 load 4-LED return (L2) 5-common (L1)	6-port #1 load 7-gnd 8-port #5 load 9-port #3 load 1-port #2 load 2-port #4 load 3-port #5 load 4-port #6 load 5-port #7 load 6-port #8 load 7-LED return (L2) 8-n/c 9-gnd 10-port #1 load 11-common (L1) 12-port #3 load
HOME RUN CONNECTOR FACE VIEW			

MPIS SINGLE KEYWAY, PARALLEL-WIRED-LED WITH HOME RUN CONNECTOR						
	FIG		FIG		FIG	
MPIS	4	712P401	5	712P601	6	712P801

FEMALE 90° SINGLE-ENDED HOME RUN CABLE						
	FIG		FIG		FIG	
HOME RUN CABLE 6'	7	207001A01F060	9	309001A01F060	9	302000A01F060
HOME RUN CABLE 12'	7	207001A01F120	9	309001A01F120	9	302000A01F120
HOME RUN CABLE 20'	7	207001A01F200	9	309001A01F200	9	302000A01F200
FEMALE 90°/MALE STRAIGHT DOUBLE-ENDED HOME RUN CABLE EXTENSION						
HOME RUN CABLE 6'	7	227021A01F060	12	339021A01F060	12	332021A01F060
HOME RUN CABLE 12'	7	227021A01F120	12	339021A01F120	12	332021A01F120
HOME RUN CABLE 20'	7	227021A01F200	12	339021A01F200	12	332021A01F200
FEMALE RECEPTACLE TO ACCEPT HOME RUN CABLE EXTENSIONS WITH 12" LEADS						
FEMALE RECEPTACLE	8	2R7004A20A120	10	3R9004A20A120	10	3R2004A20A120

* Use 3P male Micro-Change® Dual Keyway cordsets page 120 or female/male cordsets page 122 to connect to these MPIS ports

Specifications



HOME RUN CONNECTOR CABLING

MECHANICAL

INSERT: NYLON 6/6
 HOUSING: PBT
 RECEPTACLE HOUSING: ZINC DIE CAST WITH BLACK EPOXY COAT
 ID LABEL: ABS
 YELLOW, PVC CABLE JACKET,
 #16/7,8 AND #12 AWG AND PVC CONDUCTOR INSULATION OVER 65 X #34 COPPER STRANDING, UL LISTED STOOW 105°C, CSA CERTIFIED ST, 600 V
 OUTSIDE DIAMETER: 4 PORT 0.54" (13.7mm)
 6 PORT 0.61" (15.5mm)
 8 PORT 0.71" (18.4mm)

ELECTRICAL

VOLTAGE RATING: 120V AC +/- 15%
 AMPERAGE: 4A PER PORT, 12A TOTAL PER MPIS 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

4 PORT

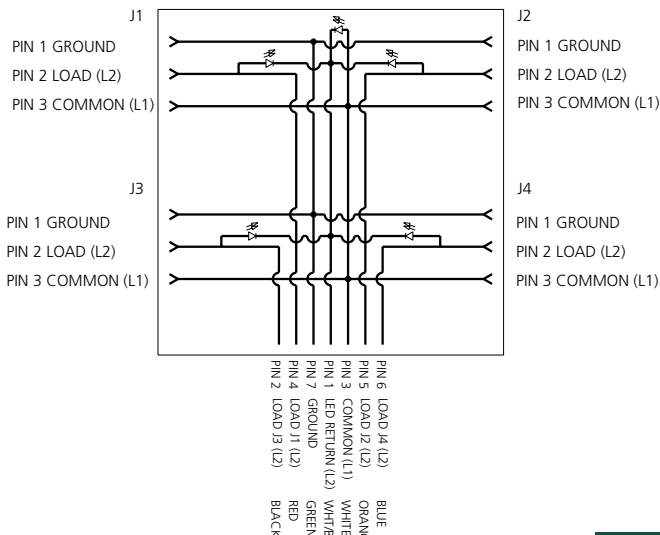


FIG 1

6 PORT

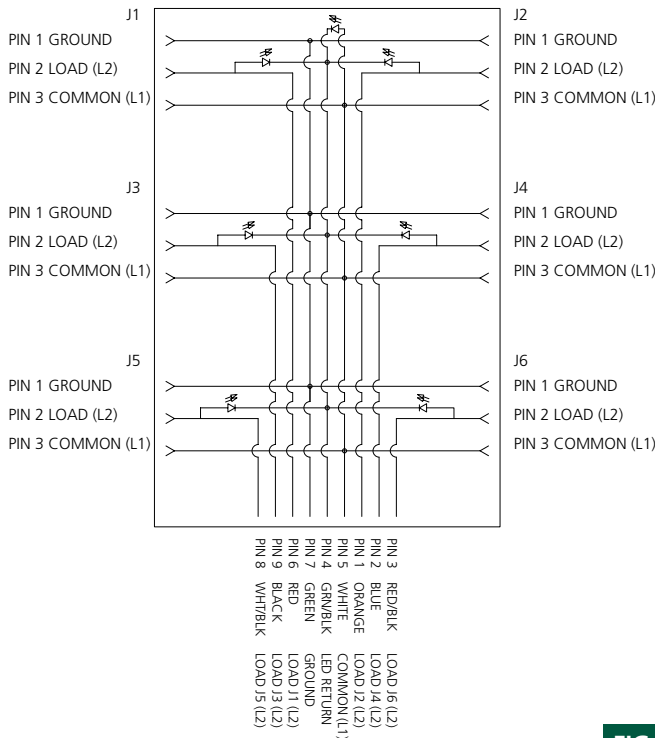


FIG 2

8 PORT

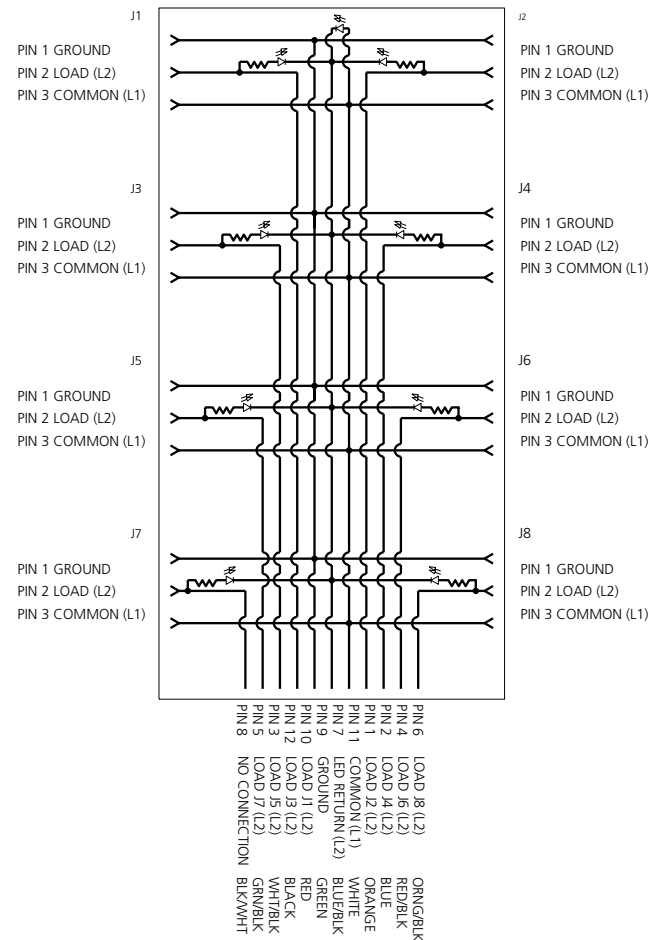
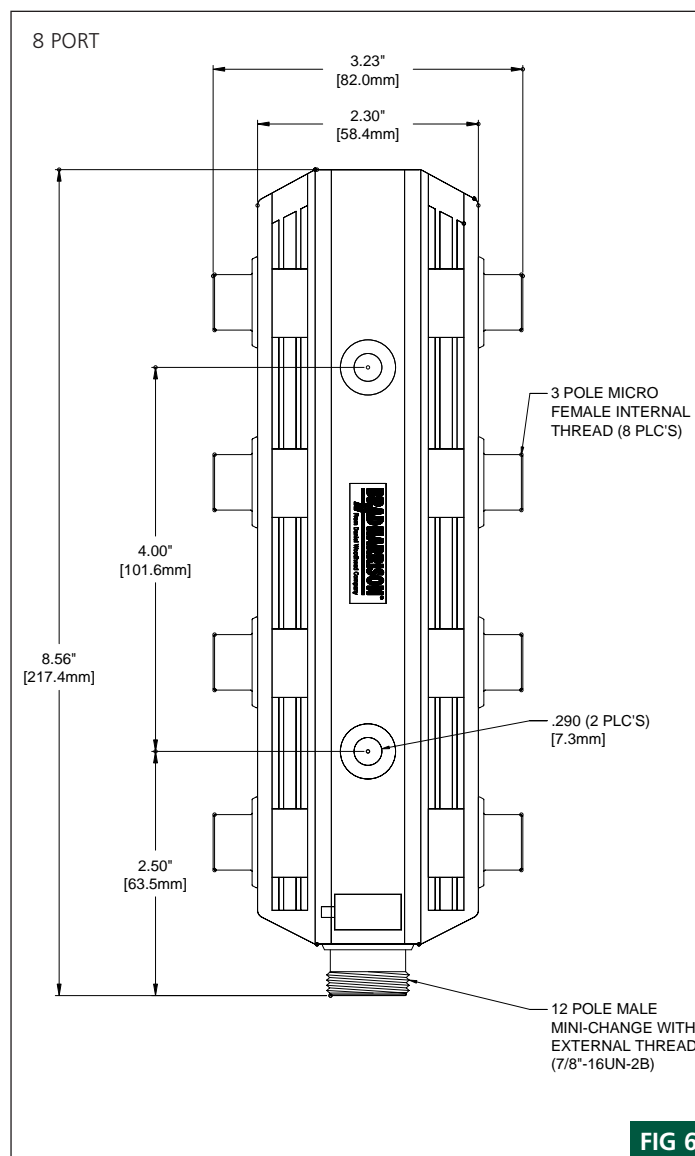
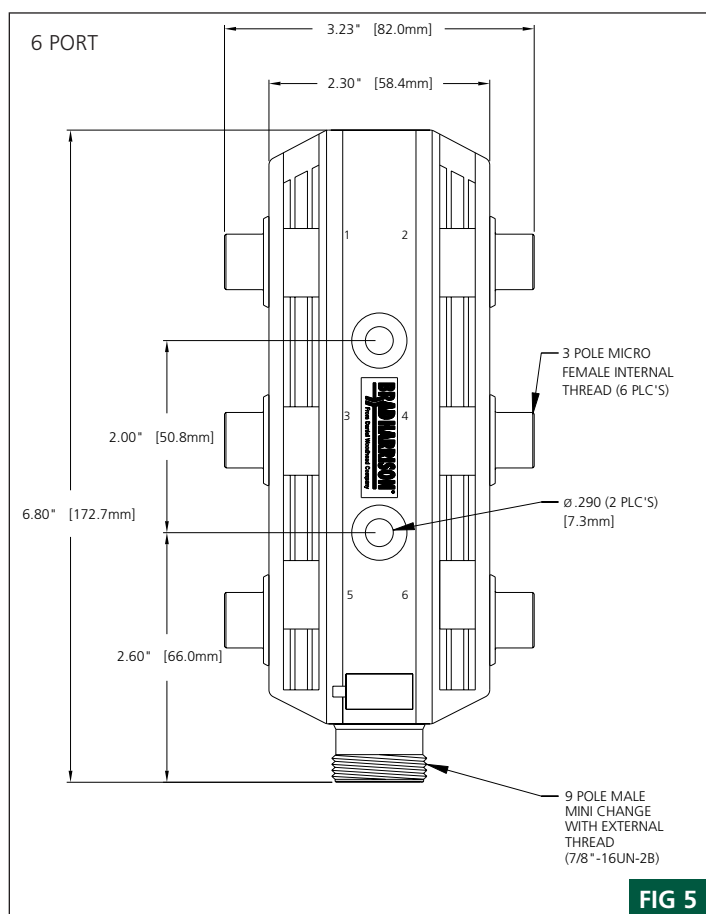
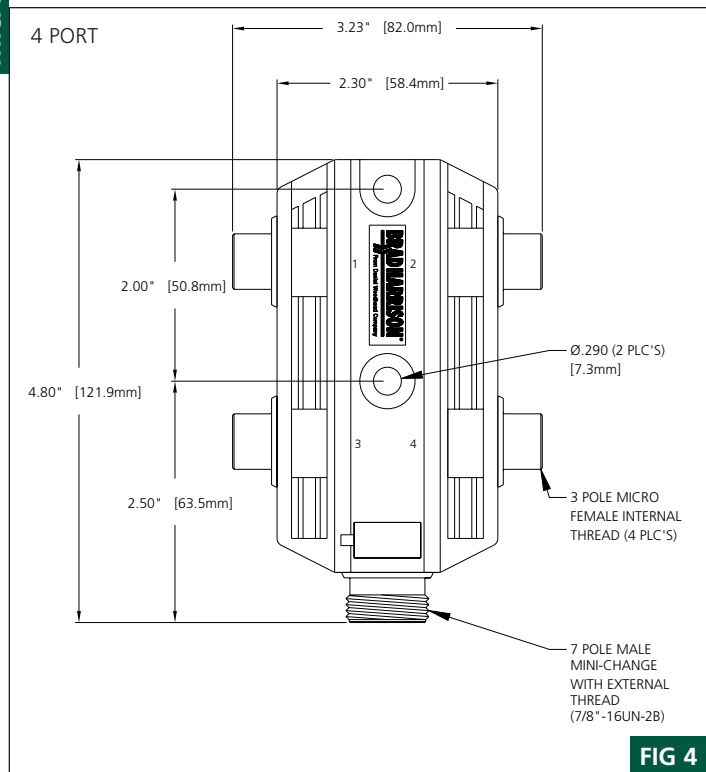


FIG 3

Side Mount, Dual Keyway

Parallel Wiring-LED with Home Run Connector

MECHANICALS



Note: For keyway orientation side view see page 288

292 1-800-225-7724 SALES AND TECHNICAL SUPPORT

Gross Automation (877) 268-3700 www.bradharrisonsales.com sales@grossautomation.com

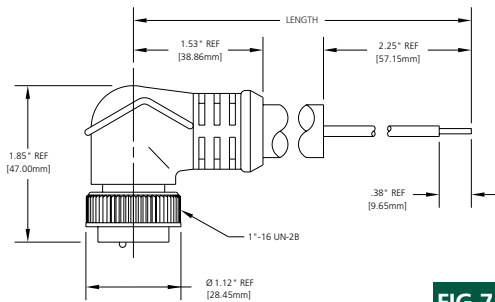
BRADHARRISON®
From Woodhead Connectivity

Side Mount, Dual Keyway

Parallel Wiring-LED with Home Run Connector

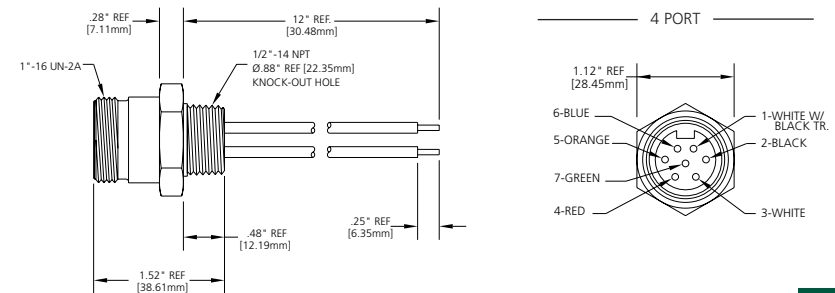
HOME RUN CABLE

FEMALE 90° SINGLE-ENDED HOME RUN/CABLE - 4 PORT

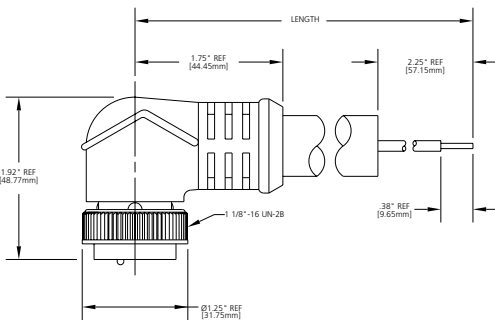

FIG 7

RECEPTACLE

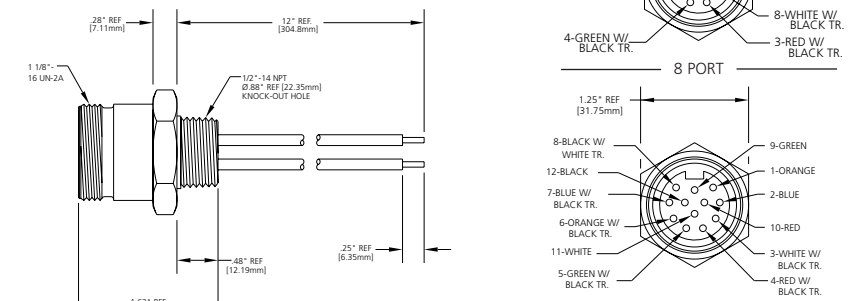
HOME RUN FEMALE RECEPTACLE - 4PORT


FIG 8

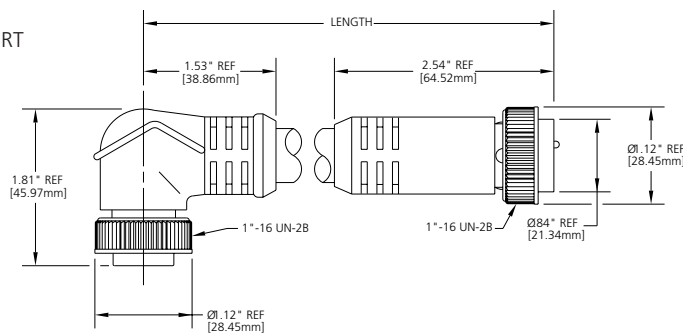
FEMALE 90° SINGLE-ENDED HOME RUN/CABLE - 6 AND 8 PORT


FIG 9

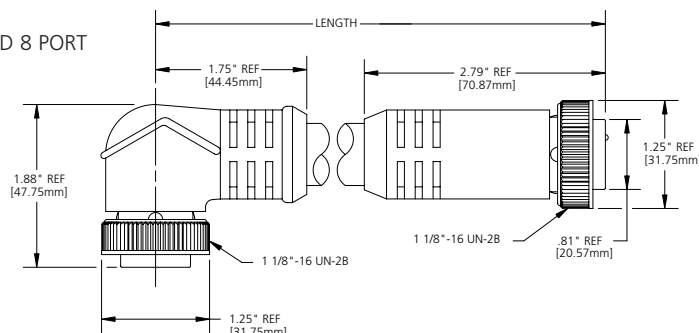
HOME RUN FEMALE RECEPTACLE - 6 AND 8 PORT


FIG 10

FEMALE 90°/MALE STRAIGHT HOME RUN CABLE EXTENSION - 4 PORT


FIG 11

FEMALE 90°/MALE STRAIGHT HOME RUN CABLE EXTENSION - 6 AND 8 PORT


FIG 12

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at [artisan^{tg}.com](https://www.artisantg.com) for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisan^{tg}.com | [artisan^{tg}.com](https://www.artisantg.com)

