

BALOGH



BICN/** ControlNet® Interface

RFID ControlNet Interface

Industrial Product Range



Key For Tag Suffix

| Suffix | Tag Series Description |
|-----------|--|
| X | OMX High Speed Industrial R/W Tag Series |
| E | GIE Industrial R/W Enhanced Speed Tag Series |
| A | OMA Industrial R/W Tag Series |
| F | OF Read-Only 7 Byte Industrial Tag Series |
| L | OLR Long Range 2 Byte Read-Only Industrial Tag |
| P | OP Light Industrial R/W Tag Series |
| FC | TAF High Speed R/W Light Industrial Tag Series |
| IC | TAI Light Industrial R/W Tag Series |

Ordering Information

When assembling your part number, please include the corresponding tag suffix.

Example: BICN/XX. - OMX High Speed Industrial R/W Tag Series. (Cables and Connectors Sold Separately)

Characteristics

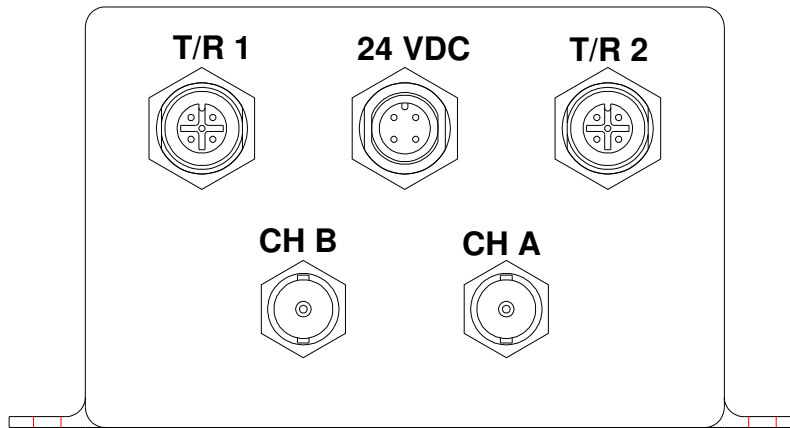
The BICN is compatible with existing network devices such as I/O, push button, motion controls, motor starters, photo cells, limit switches, etc.

- Multi-Drop capability: Allows a connection scheme of multiple BICN interface units on a ControlNet® network. Each BICN has dual channel capability. Two transceivers can be connected to the BICN each functions independently and simultaneously.
- Ease of mounting (191mm x 130mm x 69mm) with an IP-12 rated metallic enclosure and quick connect wiring, it provides field mounting, durability, and reduces wiring costs.
- Node Addressing from 0-99.

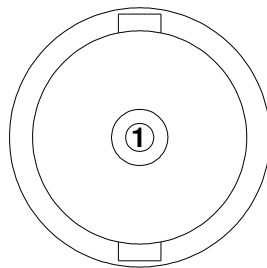
Features

- Automatic Self Test on Power up
- Status LED's
- Small Footprint
- Simple Command Set

Installation Information/Cable Pin Outs

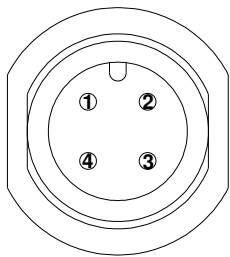


COLOR CODE REFERS TO ONLY BALOGH CABLING



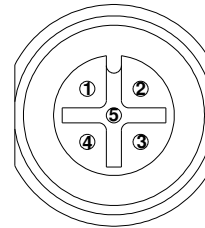
1 - ControlNet CONN.

CHANNEL A & B ControlNet® BNC CONNECTOR



1 - +24VDC POWER (BROWN-V)
 2 - NOT USED
 3 - NOT USED
 4 - 0VDC (BLACK-O)

Power: 24 VDC



1 - +24VDC POWER (BROWN-V)
 2 - INPUT (WHITE-S)
 3 - OUTPUT (BLUE-E)
 4 - 0VDC (BLACK-O)
 5 - SHIELD

Transceiver Channel 1&2

Cabling And Accessories (SOLD SEPERATELY)

Power Cable - SEF/ST/**

Standard Cable Lengths are 2, 5m, 25, 50, 75, 100ft

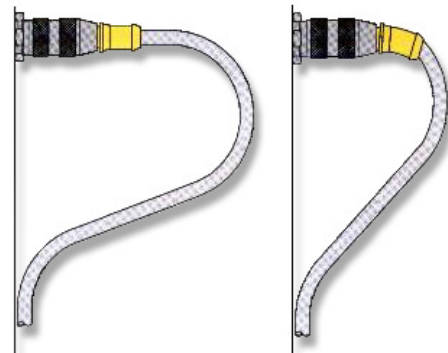
Network Cable – CONTACT A ControlNet® CABLE PROVIDER

Transceiver Cable – MF/EXT/** (LENGTHS ARE IN METERS)

Standard Cable Lengths are 2, 5, 10, 15, 20, 25, 30, 35

** Indicates Cable Length Please Contact Balogh for other cable lengths.

Only Hand Tighten Cables Correct



Bend radius 3 x cable diameter

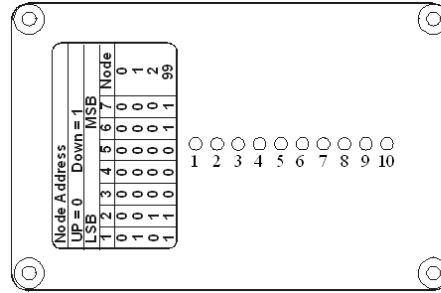
Technical Information

- 2 Transceiver Channels
- 2 ControlNet® Connections
- Ambient Temperature 0° to 70° C
- Weight - 815 Grams
- 24 VDC (± 1%)
- Consumes 150 mA of current (without transceivers) 350 mA (w/Transceivers)

BIDN DIP SWITCHES NODE ADDRESSES

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| OFF | OFF | OFF | OFF | OFF | OFF | OFF | OFF | N/A 00 |
| ON | ON | OFF | OFF | OFF | ON | ON | N/A | 99 |

Status LED'S

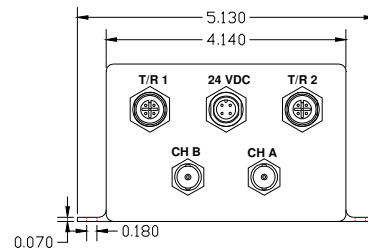
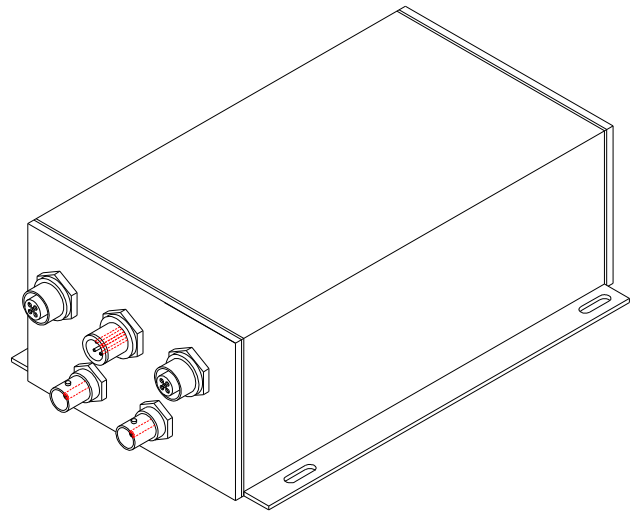
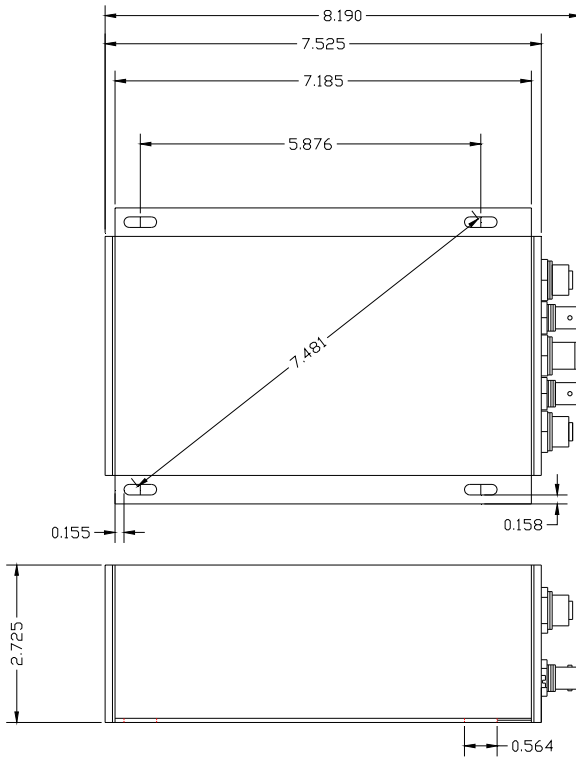


- 1 - CHA STATUS
- 2 - CHB STATUS
- 3 - 24 VDC POWER
- 4 - CH2 FAULT
- 5 - CH2 OP IN PROGRESS
- 6 - CH2 TAG PRESENT
- 7 - CH1 FAULT
- 8 - CH1 OP IN PROGRESS
- 9 - CH1 TAG PRESENT
- 10 - RS-232 RX/TX

Dip Switches/Configuration Port Located Behind LED Cover

Dimensional Drawing

ISOMETRIC VIEW



Housing for BIDN (CONTROL Net)
Date: 04/24/06
Scale: 1=1