

## Allen-Bradley Remote I/O



PART #	DESCRIPTION
35888	Allen-Bradley Remote I/O, 115 VAC (external)
36593	Allen-Bradley Remote I/O, 230 VAC (external)
45409	Allen-Bradley Remote I/O (internal)

Our most powerful digital indicators are now Allen-Bradley (A-B) enabled! Utilizing the A-B remote I/O option, our IQ plus® 310A, 510, 710, 800, and 810 digital indicators provide an interface to any of the over one million existing A-B PLCs.

Two configurations are available; standalone, external version for use with the IQ plus 310A, 800, and 810 or internally mounted in the IQ plus 510 and 710.

The versatile IQ plus 810 allows up to 4 scales or 16 load cells to be controlled through a single A-B remote I/O interface. In addition, fully programmable setpoints and configurations can be downloaded from the PLC directly to the indicators. Both discrete and block data transfer modes are supported by the A-B remote I/O option.

Existing IQ plus 800 and 810 indicators (version 3.0 or later) can be retrofitted in the field with the A-B option. Older versions can be retrofitted at the factory with a small hardware change.

Economical and efficient, our IQ plus 310A and 510 digital indicators also interface with A-B networks by using the A-B remote I/O option.

### Applications

- Automated process weighing
- Material flow control
- Multi-scale monitoring and manipulation
- IQ plus® 310A, 510, 710, 800, and 810 compatible

### Standard Features

- 115 or 230 VAC operation
- Discrete data transfer
- Block data transfer
- Field-retrofitting available for existing IQ plus® 800/810 and IQ plus 310A indicators
- Blind keypad capability (IQ plus 800/810)
- NEMA 4X stainless steel enclosure

#### Additional features with IQ plus 310A & 510:

- 5-button operation
- Panel mountable
- High-speed update rate

#### Additional features with IQ plus 710:

- Local batch control
- 8-digital outputs, 8-digital inputs
- Display messaging

#### Additional features with IQ plus 800 & 810:

- Drives up to 4 scales
- 16 digital outputs, 3 digital inputs
- Enclosure types: panel mount, stainless steel, FRP, and XPCD

### Options/Accessories

- 36254 ..... Operating manual, external version (800/810/310A)
- 45775 ..... Operating manual, internal version (510/710)

**NOTE:** Because this product interfaces with programs written by non-RLWS parties, please consult factory for latest technical updates before quoting.

**ELECTRICAL:**

Voltage: 115 or 230 VAC (-10%/+15%)  
 Frequency: 60 Hz  
 Fusing: Two .75 A @ 125V microfuses for 115 VAC operation,  
 two .50 A @ 250V microfuses for 230 VAC operation

**COMMUNICATIONS:**

A-B Remote I/O network: Twinaxial cable attachment to networks at 56.6, 115.2, or 230.4 Kbps

**SERIAL COMMUNICATIONS:**

Interface: RS-232  
 Data Rate: 9600 or 19.2 Kbps  
 ASCII Encoding: 1 start bit, 8 data bits, 1 stop bit

**OPERATING TEMPERATURE:**

14°F to 104°F (-10°C to 40°C)

**RATING/MATERIAL:**

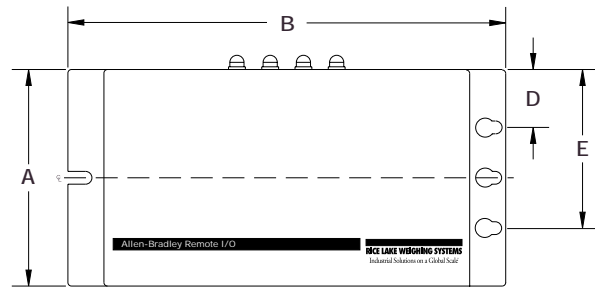
NEMA 4X stainless steel

**DIMENSIONS:**

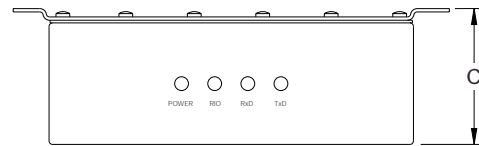
4.88" H x 9.88" W x 3.13" D  
 (123.9mm H x 250.9mm W x 79.5mm D)

**WARRANTY:**

One year limited warranty



FRONT VIEW



TOP VIEW

**DIMENSIONS**

A = 4.88" (123.9mm)	D = 1.19" (30.2mm)
B = 9.88" (250.9mm)	E = 3.70" (93.9mm)
C = 3.13" (79.5mm)	