

BecoEye® Infrared Communications Adapter M-2920A



- Hand-held infrared data communication adapter with six and a half feet of cable; optional twelve-foot extension cable available (M-2921)
- Provides communications between a laptop PC with or without a compatible infrared port and the Beckwith Electric M-2501/M-2501A Autodaptive® Capacitor Controls using infrared communications
- Two connectors provided on cable: DE-9S for connection to RS-232 serial port and mini DIN 6-pin male for power connection to PS/2 type keyboard

Description

The M-2920A BecoEye® Infrared Communications Adapter provides communications between a laptop PC with or without an infrared port (or with an incompatible infrared port) and the Beckwith M-2501/M-2501A Autodaptive® Capacitor Controls. The M-2920A is an RS-232 serial communication adapter which transmits and receives data by 870 nanometer infrared open air communication. The device is powered by the host computer via a DIN 6-pin PS-2 type keyboard port.

Operation

The Beckwith Electric M-2501 Series of Autodaptive Controls communicate using infrared data transmission at 9600 baud to check status conditions and to change control settings. This is accomplished via the infrared port of the control and the appropriate communication and analysis software. The exchange of data between the host computer and the Autodaptive Control is called a "Blink." Blinking is accomplished by aligning the infrared port of the BecoEye to the infrared port of the control and initiating the data exchange by pressing a function key on the host computer.

Communications

Autodaptive Control communication is established using the M-2920A BecoEye Infrared Communications Adapter to "Blink" the control when the laptop does not have a compatible infrared port, or for convenience. The M-2920A will communicate up to a distance of approximately 3 meters from the M-2501A. While the unit will function with the M-2501, this range will be reduced. For proper operation, the BecoEye should be aimed at the control within a 0 to ± 15 degree angle.



Physical

Size: 2.3" wide x 1.2" high x 4.7" long (5.84 cm x 3.05 cm x 11.94 cm)

Weight: 9 oz (0.26 kg)

Environmental

Temperature: Proper operation is maintained from -40°C to 50°C

Humidity: Proper operation is maintained up to 95% humidity, non-condensing

Fungal Resistance: A conformal coating is used on the printed circuit board to inhibit fungal growth.

Warranty

The M-2920A BecoEye is covered by a five year warranty from date of shipment.

Specification subject to change without notice.

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