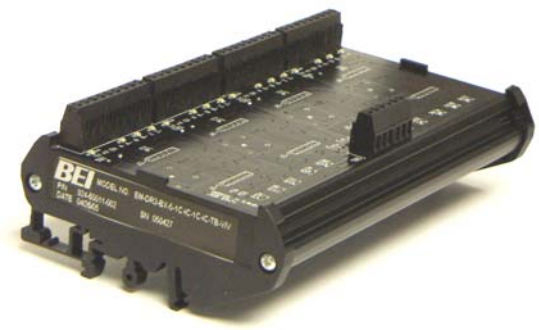
BEI ELECTRONIC MODULES
Encoder Signal Broadcaster



FEATURES

- **Broadcasts signals from a single encoder to four independent receivers**
- **Signal processing modules (pulse converter, integer countdown, anti-dither) can be added to each output for additional capabilities**
- **Accepts all standard input voltages and types: single ended, differential and open collector**
- **Signals are optically isolated for high noise immunity**
- **Compact package saves installation costs**

The BROADCASTER accepts standard incremental encoder inputs, (two channels in quadrature plus an index and complements) and can broadcast up to four encoder signals to four independent devices. Each of the broadcast signals is optically isolated eliminating ground loops. This compact package also allows for signal processing options, such as anti-dither filter, integer countdown or pulse and direction outputs, to be incorporated into each of the four broadcast signals independently. The broadcaster is ideal for driving multiple receivers from a single encoder in applications like electronic line shafting or synchronization of multiple devices to a single operation.

The module accepts signals of 5, 12-15 and 24 VDC and provides three output options: $V_{out} = V_{in}$, $V_{out} = 5$ V or NPN open collector. The compact package mounts to standard EN 50 022 35mm X 7.5mm DIN rail and is 142mm wide, 78mm deep and 45mm above the DIN rail. A 155mm section of DIN rail is included.

BROADCASTER ORDERING OPTIONS For assistance, call 800-350-2727 (ASAP)

Use this diagram to construct your model number.
Example: BX-5-IC/V-IC/V-P2/5-P2/5

BX – **5** – **IC/V** – **IC/V** – **P2/5** – **P2/5**

- **BX**: **Broadcaster**
- **5**: **Output Voltage from Encoder:** 5, 15, 24
- **IC/V**: **Function for Channel 1**
- **IC/V**: **Function for Channel 2**
- **P2/5**: **Function for Channel 3**
- **P2/5**: **Function for Channel 4**

Choose one for each channel:
DB = Divide By, selectable integer value 1-256
AD= Anti-Dither
Px = Pulse Up/Down where x = multiple, either 1, 2, or 4
PxD = Pulse Direction where x = multiple, either 1, 2, or 4
IC = Isolation Circuit (Standard)

Output Voltage/Type:
/V = Multivoltage 5-28 Volts in, Vout = Vin
/5 = Multivoltage 5-28 Volts in, Vout = 5V regulated
/OC = Multivoltage 5-28 Volts in, Vout = Open Collector

BEI SENSORS