

# ESS420

## 4-20mA 2 Wire Transmitter

### Description:

The **ESS420** transmits a current signal which is proportional to the joystick's handle position. In applications where a signal must be transmitted over a considerable distance and where electrical noise is a problem.

### Application:

The **ESS420** is utilized in crane applications where reference signals for the variable speed drive must be combined with or run adjacent to control and power transmission cables.

### Technical Electrical:

Supply Voltage: 12-48 VDC  
 Output Current Max: 22 mA  
 Load: 12V < 100 ohms  
 24V < 700 ohms  
 48V < 1800 ohms  
 Effective Oper. Angle:  $\pm 140$   
 Temperature Range: -25C to +80C  
 Adjustment Range: 2-22 mA

### Technical Mechanical:

.093 Fiberglass PCB with integrated Command Potentiometer.  
 Termination: 2 Pole Terminal Block  
 Sealing: Urethane conformal coating standard  
 Potentiometer Life: 1-2 Million or 10 million revolutions on request.

