



#### 4. Use with BA427 & BA627E Set Point Stations.

The BA490 Rotary Encoder may be used to adjust the output from a BEKA BA427E or BA627E 4/20mA Set Point Station. Normally the output current of these generators is controlled by the front panel ▼ and ▲ push buttons, but direct connection of the BA490 rotary encoder enables an operator to make adjustments via a conventional rotary control knob.

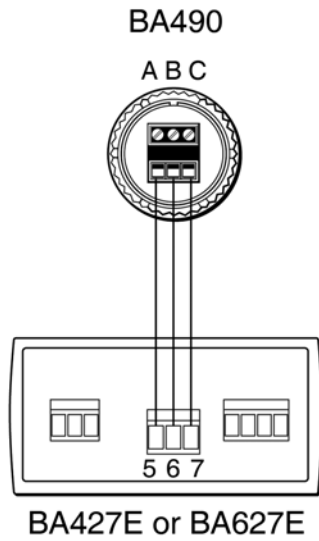


Fig 3 Connecting a BA490 encoder to a BA427E or a BA627E Set Point Station

Fig 3 shows how the encoder should be connected. When used with an intrinsically safe BA427E Set point Station the

wiring should be able to withstand 500V ac insulation test to earth for one minute and the BA490 Rotary Encoder must be located within the same hazardous area as the Set Point Station.

#### 5. Maintenance

The mechanical condition of the encoder should be regularly checked, the frequency of inspections depends upon the environmental conditions.

#### 6. Servicing

The BA490 encoder is a sealed assembly that can not be repaired on-site. If an encoder fails it should be replaced by a new device.

#### 7. Guarantee

Encoders that fail within the guarantee period should be returned to BEKA associates or to our local agent.

#### 8. Customer comments

BEKA associates is always pleased to receive comments from customers about our products and services. All communications are acknowledged and whenever possible, suggestions are implemented.

#### 9. Accessories

The BA599 provides IP65 protection for the rear of the encoder and includes a gland for a 7 to 12mm diameter cable. This accessory must be used if the BA490 Rotary Encoder terminals are exposed to a IIC conductive dust.