SST-7200, SST-7400
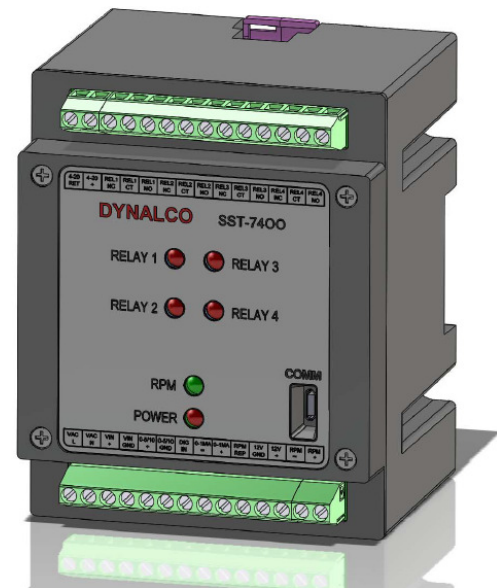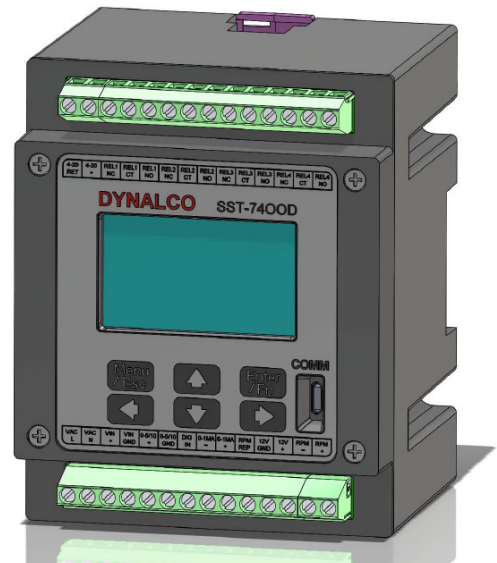
SST-7200D & SST-7400D

Speed Switch / Transmitter

- **Accepts 2 or 3-wire speed sensors**

- **0 - 50 KHz input frequency range**

- **4 – 20 mA output (isolated)**

- **0 – 5 / 0 – 10 VDC linear output**

- **50 msec relay response time**

- **2 or 4 SPDT relays**

- **Failed (open) pickup sensing**

- **Square wave repeater output**

- **10 – 36 VDC input supply power**

- **Available input isolation transformer**

- **PC programmable over USB port**

- **Front Keypad programmable (for models with LCD Display)**

- **–I suffix:**
  Isolated RPM input from the power supply ground by more than 300V peak

- **–AC suffix (for models with LCD Display):**

  AC supply voltage to use for the VAC L / VAC N terminals (see Electrical specifications)

SST-7200(D) & SST-7400(D) accept a pulsed input and provide a 4-20 mA output that is very accurate and stable with temperature changes representing speed of rotating machinery for a local panel meter or PLC analog input card. They also provide 2 "SST-7200(D)" and 4 "SST-7400(D)" quick relay responses to over/under speed conditions. Applications include speed measurement & overspeed protection of industrial engines, turbomachinery and pumps.

DYNALCO

SPECIFICATIONS

Electrical:

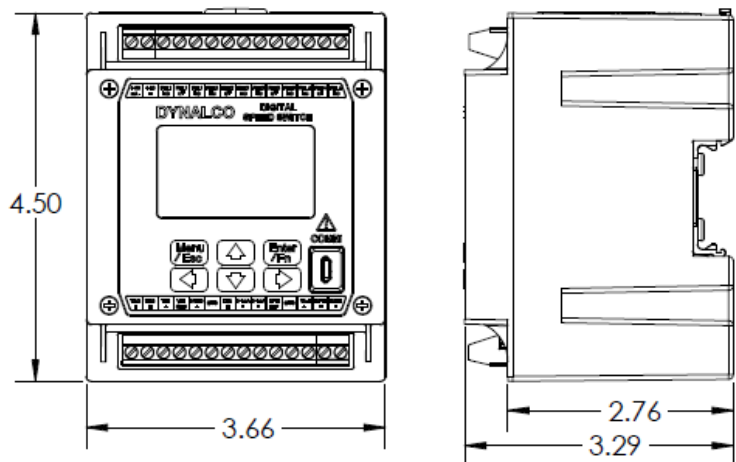|	
Supply Voltage:	10 – 36 VDC, maximum 5 Watts (standard)
–AC suffix:	Only for models with LCD <u>D</u>isplay.
	AC (and DC) supply voltage on terminals *VAC L & VAC N*.
	115 to 280 VAC & 115 to 400 VDC, with maximum 10 Watts.
Input Types:	2-wire magnetic pickup (variable reluctance)
	3-wire Hall-Effect
	3-wire amplified VR type
–I suffix:	Isolated RPM input from the power supply ground by more than 300V peak
Input Sensitivity:	25 mV min – 50 VRMS max
Proportional Output:	Fully isolated 4 – 20 mA (sourced)
	Plus 0 – 5 VDC or 0 – 10 VDC
	0-1 mA linear output for instrument display
Relays:	SPDT contacts rated 6 Amps at 28 VDC or 115 VAC

Display Information:

RPM, Alarms, Settings (RPM signal, setpoints / relay logic, analog input,
security, relay test, setpoint log, and display)

Mechanical:

DIN rail mount (standard 35 mm)

Environmental:

Operating temperature range
-40℃ to +70℃
Storage temperature range
-40℃ to +80℃

HOW TO ORDER
Specify part number as follows:

2 setpoints

SST-7200	with LED
SST-7200D	with Display
SST-7200-I	with LED, Isolated RPM input
SST-7200D-I	with Display, Isolated RPM input
SST-7200D-AC	with Display, VAC supply power
SST-7200D-I-AC	with Display, VAC supply power & Isolated RPM input

4 setpoints

SST-7400	with LED
SST-7400D	with Display
SST-7400-I	with LED, Isolated RPM input
SST-7400D-I	with Display, Isolated RPM input
SST-7400D-AC	with Display, VAC supply power
SST-7400D-I-AC	with Display, VAC supply power & Isolated RPM input

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