

Power

7.5VDC to 12VDC @ 200mA; 6VAC to 10VAC, 60Hz @ 200mA (transformer supplied).

Environmental

Operating Temperature: 0 to +60°C.

Storage: -40 to +85°C.

Time Base

Line Sync: 60 or 50Hz (switch selectable) line frequency, between 2 and 20VAC.

Crystal Clock: Internal crystal operating at 32.768kHz.

Accuracy

Line Sync: Depends on line frequency, typically 3 seconds maximum error in a 24 hour period. 0% long term error.

Crystal Clock: Crystal Models and battery backup operation: Crystal oscillator adjusted to within 0.006% of nominal frequency.

Stability

Line Sync: Models do not vary with ambient temperature.

Crystal Clock: Models and units operating under battery backup vary 0.015% from 10 to +70°C.

Aging

Crystal Clock: Crystal models and units operating under battery backup only: a maximum of 10ppm in the first year.

Display

0.56" (14mm) height, 7 segment LED.

4 or 6 digit.

Indicators: Colons separating hours, minutes, seconds.

Controls and Adjustments

Under access door. DIP switches to select run or hold, 12 or 24 hour formats, 50 or 60Hz line sync time base; rotary switches to set time; pushbutton switch to enter time.

Accessories

Five female terminal tabs.

Door labels.

120VAC to 6VAC plug-in transformer.

Options

62: +5VDC power only.

90: NEMA 4X cover.

Support Modules (Include Screw Terminals)

SM90105: 120VAC Power. SM90107: 12VDC Power.

SM90107-SP0234: SM90107 with 2 – 10VDC Output.

SM90112: 120VAC Power, 2 – 28VDC Output.

Clocks

Line Sync Clock

P/N	Display Format	Time Base	Battery
7004	12:59 HR/MIN 23:59 HR/MIN	50/60 Hz	No
7005	12:59:59 HR/MIN/SEC 23:59:59 HR/MIN/SEC		

Crystal Clock

P/N	Display Format	Time Base	Battery
7006	12:59 HR/MIN 23:59 HR/MIN	±0.01%	No
7007	12:59:59 HR/MIN/SEC 23:59:59 HR/MIN/SEC		No
7008	12:59 HR/MIN 23:59 HR/MIN		Lithium 5-year backup
7009	12:59:59 HR/MIN/SEC 23:59:59 HR/MIN/SEC		Lithium 5-year backup



	CUTOUT	REAR VIEW CONNECTIONS	FRONT VIEW ADJUSTMENTS
CLOCKS	23	18	8

SEE FIGURES ON PAGE 44. SOME CONTROLS SHOWN IN THE DRAWINGS ARE NOT AVAILABLE ON ALL UNITS.