ChronTrol®
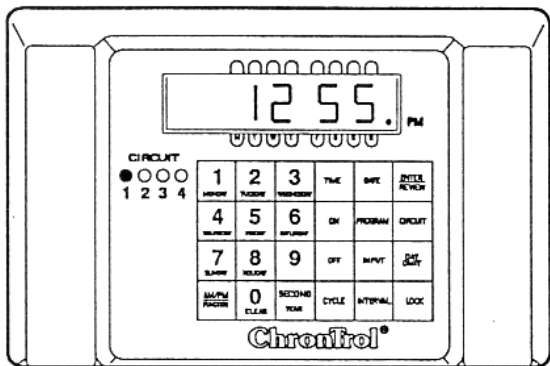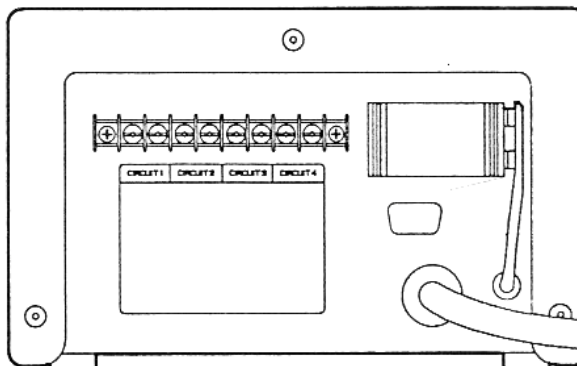
SPECIFICATIONS and INSTALLATION

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Dry Contact
2 & 4 Circuit Models

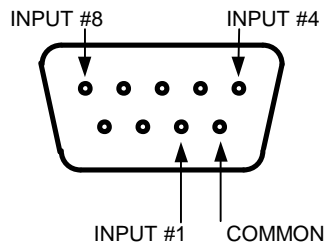
FRONT VIEW   REAR VIEW

SPECIFICATIONS

Dimensions:	4.75" x 8.25" x 5.00" (H/W/D) / 120mm x 209mm x 127mm
Case:	High-impact plastic (non-weatherproof)
Shipping Weight:	4 lb./ 2 kg.
Environmental Range:	0° F to 130° F/-17° C to 54° C; 0 to 90% relative humidity (non-condensing)
Power Source:	120 Volts AC ± 5% **Optional:** 240 Volts AC ± 5%
Time Base:	50/60 Hz Line Frequency (automatically selected) with Crystal backup system
Power Consumption:	4 watts excluding relays
Number of Circuits:	2 or 4 independent circuits
Number of Inputs:	8 digital inputs, 9-position D-subminiature (DE-9) connector
Display:	.56" Continuous LED display of Time of Day or program information
Circuit Status Indicators:	LED circuit "ON" indicator (one per circuit)
Keyboard:	24-key, dome switch, audible
Battery Backup:	9-volt alkaline system provides 14-day protection of memory and Time of Day
Relays:	15 Amp Single-Pole Single-Throw (SPST)
Power Switching:	0 to 277 volts
	20 Amperes per circuit at 240 VAC
	6 Amperes per circuit at 277 VAC
Serial Communication:	Asynchronous, 2400 baud, 8 data bits, 1 stop bit, no parity
Signal Level:	EIA RS-232C
Connection:	6-position, 6-conductor modular jack (RJ-12 type)
Input Drive Requirement:	Switch closure between input pin and common pin
Max. switch resistance:	1000 ohms
Minimum closure time:	50mS (1/20 second)
Maximum closure time:	Indefinite
Maximum input latency:	1 second
Maximum switch current:	500µA

INSTALLATION

ChronTrol is a precision electronic timer designed for installation indoors in a place protected from excess moisture and temperature conditions. It is made to National Electrical Code requirements and equipped with a standard three-prong plug.

1. After removing your timer from its shipping container, examine it carefully to be sure that it has not been damaged during shipment. Remove all shipping material.

2. Unbind the power cord and remove any kinks. Connect the equipment to be controlled to the desired contact. Make all connections to the dry contact BEFORE connecting any electrical current to the exterior equipment. Wire the circuits in the same manner as any other SPST relay contact with a similar rating.

3. Place the protective cover over ChronTrol's terminal strip, then plug ChronTrol into any 120 Volt, grounded outlet. Your timer is now "ON". Now turn the exterior equipment ON.

4. Now activate ChronTrol's memory protection system by attaching your battery to the snap located on ChronTrol's rear panel. Use a single 9-volt alkaline battery. For best results, use reliable, fully charged batteries.

5. If your timer is equipped with a rear connector for inputs, attach a ChronTrol I-Box or other suitable accessory. Pin assignments are:

INPUT #8   INPUT #4

INPUT #1   COMMON

Your timer is now ready to be programmed. See the *XT User's Guide* for programming instructions.