

### **General System Information**

The Protocol dimming and control systems offer microprocessor based control stations, load drivers, input and output interface modules, with distributed intelligence (no central controller) over the 4-wire (2 twisted pairs) network bus, increasing the reliability and versatility of the system.

### **DC-TIMER Information**

The DC-TIMER is a 5-channel time clock manufactured by the WATT STOPPER Corporation (model SC-100) integrated with a DIGITAL LIGHTING SYSTEMS DCI-16 dry-contact input interface and DB44 data & power hub, mounted inside a 12" x 10" x 4" NEMA enclosure.

The SC-100 is a simple to program yet extremely versatile 365-day calendar timer clock that may control up to 5 channels on the DCI -16. Relay input device has an additional 11 dry-contact inputs for interface with other external devices.

A relay closure from the SC-100 or other external device is interpreted by the DCI -16 in the same way as a button press on a control station. Switch input functions and control channel assignment are programmed and loaded into the DCI-16, as if it were a control station, by means of Protocol programming software. These can be assigned at the factory and easily reprogrammed in the field whenever necessary to accommodate the changing needs of the application. Normally, the inputs of the DCI-16 are programmed as "Preset" functions. The SC-100 is then able to recall up to 5 system presets by momentarily closing and releasing relays connected to the inputs. Relay closures must be maintained for a period of (0.5 + / - 20%) second.

Since the DC-TIMER contains its own DB44, the DC-TIMER may become the data and power hub for any system it is installed in. An external transformer feeds the DC-TIMER. The DB44 will distribute power to the SC-100, the DCI-16 and out of the DC-TIMER to other input devices on the PROTOCOL system (PS Series stations, RAU-96, other DCI-16's etc.).

#### Please see DCI-16 and DB44 Specifications for detailed information on

#### TIMER FEATURES

\*365-day calendar time clock \*4-line, 16 character display \*Controls up to 5 Channels

\*Up to 120 event-based schedules

\*Astronomic control

\*Automatic Leap Year and Daylight Savings adjustment \*Comprehensive

holiday/exception scheduling

\*FCC compliant, CE certified

- \*Non-Volatile memory
- \*Manual Override from keypad
- \*Many other functions...

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## **Digital Lighting Systems**

## PROTOCOL

# DC-TIMER

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