

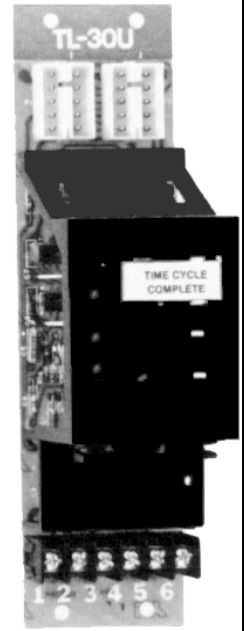


## System 3™ Time-Limit Control Module Model TL-30U

### ARCHITECT AND ENGINEER SPECIFICATIONS

- Precision timing
- Light-emitting diode (LED) indicator
- Delayed-signal capability
- Placement supervised
- Solid-state logic circuitry
-  UL 864 9<sup>th</sup> Edition Listed,  ULC Listed



### Product Overview


The System 3 Time-Limit Module (Model TL-30U) from Siemens — Fire Safety is designed to provide a controlled time interval between six seconds and 10 minutes. {Either a signal circuit will activate or deactivate after 10 minutes.} Model TL-30U is also capable of repeating the aforesaid time-operative sequence when a subsequent *Alarm* signal is received in a system utilizing the 'Subsequent Alarm' feature.

Model TL-30U, which is comprised of solid-state circuitry, is normally passive — with no drawn power, until an *Alarm* signal is received. When this sequence occurs, a binary counter is activated to precisely control the length of the desired time limit, before continuing the pre-programmed sequence of system operation.

The sequence may be used for silencing audible alarm devices in order for the system to receive and to annunciate subsequent alarms. Alternatively, an *Alarm* command may trigger a municipal headquarters, if the alarm source has not been controlled or verified, or it can involve the actuation of a suppression system (i.e. - Sinorix™).

This time interval is available in two (2) ranges:

- Six seconds to 20 seconds
- Thirty seconds to 10 minutes

**Note:** Per  UL requirements, when time limits are used with audible devices, they shall operate for no less than three minutes and no more than 10 minutes.

Standard units are preset for a five-minute, time-out sequence, but can be changed manually. Model TL-30U contains a red LED indicator that will illuminate at the end of the timing period. The LED will remain lit until the module has been reset.

The Model TL-30U module is placement supervised, thus providing a system *Trouble* command upon removal from the system.

### Specifications

Capability for precise time control of an output signal — either by delaying actuation or stopping actuation — shall be provided by the Siemens — Fire Safety Time Limit Module, Model TL-30U. Operating with System 3, this module shall be system interconnected by a 10-wire jumper plug and harness assembly.

System 3™ Time-Limit Control Module **3166**

## Specifications — (continued)

The time-in / time-out duration period shall be capable of being set at any precise interval between the following time frames:

- Six seconds to 20 seconds
- Thirty seconds to 10 minutes

This interval shall be controlled by a solid-state, 14-stage binary counter contained in the circuitry of the module. At the end of the time interval, a red LED indicator shall indicate completion of the time cycle, allowing a subsequent *Alarm* command to be received and processed simultaneously. The module shall be reset from the main System 3 panel.

The Model TL-30U modules shall be Underwriters' Laboratories, Inc. (UL) Listed.

## Temperature and Humidity Range

Model TL-30U is UL 864 9<sup>th</sup> Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative-humidity range of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

## Electrical Ratings

### Module Current Requirement:

Normal:	None
Operated:	45mA

## Details for Ordering

Model Number	Part Number	Description
TL-30U	500-885330	Time-Limit Module

**Notice:** This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.