

## 5250-TI5 Timer/Counter Access Module



### Description

The Model 5250-TI5 Access Module provides a simple interface to the CTI 2500 Series, Simatic®/TI Series 500 and Simatic® 505 programmable controllers. This module allows an operator, technician, or engineer to view and change any timer, counter, relay (CR, X, Y), or V memory location without using a VPU or TISOFT. Four LEDs provide indication of module and process status. The rugged compact package is suitable for panel mounting in harsh industrial environments.

The Access Module connects directly to the PLC RS-232 or RS-422 programming port using the optional CTI Communications Cable or user supplied cable. An auxiliary serial port allows logging of alarm messages.

The CTI Configuration Program included with the unit allows assignment of tag names, memory locations, alarm values, and event messages using menu driven selection sets. This software runs on an IBM (or compatible) personal computer and includes functions for transferring the program to and from the battery-backed memory in the Access Modules.

### Features

- NEMA 4 rated front panel
- On board real time clock that can be mapped to V-memory
- Easy access to PLC memory locations by address or user defined tag names
- Password option prevents unauthorized memory changes while allowing all monitoring functions
- Displays PLC diagnostic and error messages
- Context sensitive help screens
- Displays and dynamically updates PLC memory locations (tag names) embedded in user defined messages

### LCD Display

The Access Module contains an 80 character (4 line by 20 characters) data display with extended character set.

The Model 5250-TI5 has a 1" x 3" backlit Supertwist Liquid Crystal Display (LCD) with wide viewing angle and contrast control.

### Options

Access Module to PLC Communication Cables:  
RS-422 (all PLCs): CTI Part No. 5200-C422

Personal Computer Communication Cables:  
25 Pin Connector: CTI Part No. 5250-CBXT



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## Specifications

### Power Requirements:

110/220 VAC (switch selected)  
35mA nominal @ 110 VAC

### Battery:

Internal 3.6 V for battery-backed RAM  
Current Drain: <15  $\mu$ A with no AC applied  
Battery Life: 10 years

### Environmental:

Storage Temperature: -40° to 85°C (-40°F to 185°F)  
Operating Temperature: 0° to 60°C (32° to 140°F)  
Humidity: 5% to 95% R.H. (non-condensing)  
Front Panel: NEMA 4

### Communications:

Program Port: RS-232/422 to PLC Program Port  
Aux Port: RS-232 for alarm logging

### Display:

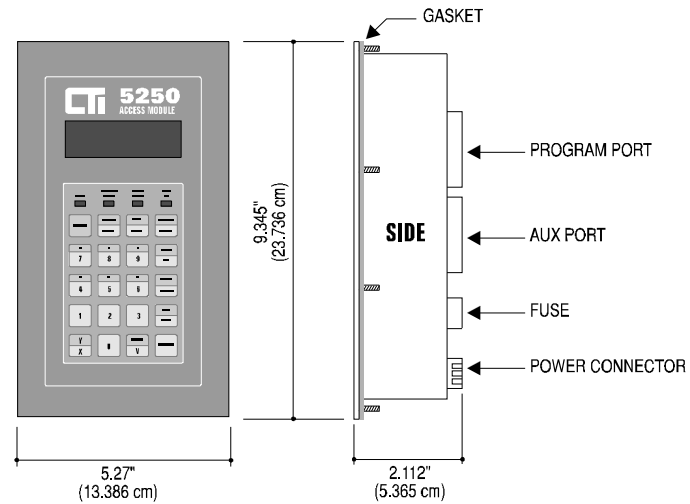
5250-TI5: 1" x 3" 80 character (4 line x 20 character)  
alphanumeric high temperature backlit  
Supertwist LCD with wide viewing angle and contrast control  
Diagnostic: LEDs: UNIT OK, ALARM ACTIVE, SHIFT, MESSAGE ACTIVE

### Keypad:

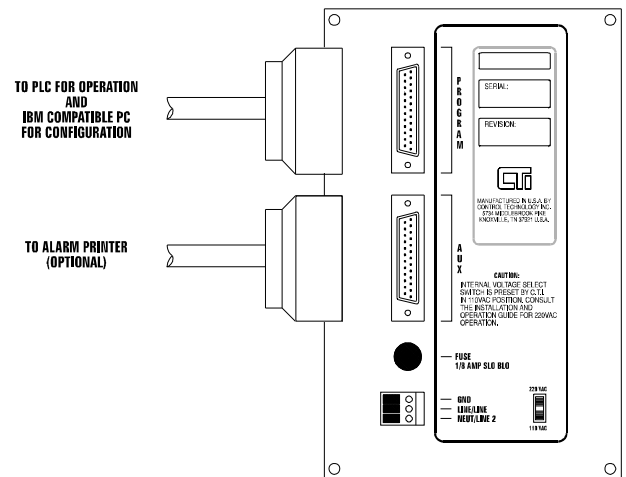
0-9 Numeric Entry Keys  
SHIFT Selects alternate key function  
DRUM/WX/WY Selects Drum or Word In/Out  
READ/HELP Read Mode or Help Screen  
CR/SP Selects Control Relays (SP not used on 500/505 PLCs)  
COUNT/TIMER Selects Timers or Counters  
NEXT/PRE Scrolls trough tag name, alarms, Help screens, edit fields  
X/Y Selects Input/Output memory  
V/STAGE Selects V memory locations (STAGE not used on 500/505)  
ENTER Selects mode or enters data

### Agency Approvals:

UL, UL-C



5250-TI5 Mounting Dimensions



Module Wiring