



TA-2490

TWO READER ACCESS CONTROL PANEL



FEATURES

- Two Card Readers, Magstripe or Wiegand
- Door Contact / Exit Button Inputs
- Selectable Lock Output, 12V or Dry Contact
- 2,000 Transaction Audit Buffer
- Built-in 12VDC Supply w/ Battery Charger
- Forced Entry / Held Open / Shunt Outputs
- 65,000 Cardholder Capacity
- Additional I/O, Two Inputs, Two Outputs

DESCRIPTION

TAC's **TA-2490 Access Control Panel** provides a cost-effective means of providing the ultimate in security management. Each TA-2490 can support up to two Card Readers including two card reader/keypad combinations for high security applications, Magnetic Stripe or **i Button™** Readers, as well as many other popular Reader technologies such as: **WIEGAND, PROXIMITY, BARIUM FERRITE, INFRA-RED, BAR CODE, BIOMETRIC, RADIO FREQUENCY**

The TA-2490 Access Control Panel is also **Backwards Compatible** with Cansec's CP30 Access Control Panel via an on-board jumper to select CP30 compatible mode.

The TA-2490 supports TAC's proprietary Wiegand format as well as any reader technology with a standard 26 bit Wiegand Output. For support of other custom Wiegand formats, contact TAC Systems Ltd.

The TA-2490 Database is downloaded from a PC running TAC's Windows Based Maestro or DOS & OS/2 Based PassMaster Software packages. The TA-2490's **Backed-Up Memory** ensures that the panel will retain all downloaded data in the event of a power or communication failure. TA-2490's can support up to 65,000 user (card) identification numbers depending on the capacity of the host software. Since all access control decisions are made locally, the response time at the readers are minimal. Up to 2,000 transactions can be stored in the TA-2490 in the event the the host PC is off-line.

The TA-2490 is also equipped with two spare supervised inputs and two open-collector outputs which may be used for point monitoring and control. When these four spare points are not sufficient, an **Optional Input / Output Module** may be added for Supervised Point Monitoring and Output Control of 16 points. This optional board is not required for monitoring door contacts on doors with access control readers installed as dedicated door contact inputs are available on the TA-2490 controller. The SIOPT-16 board may be added at any time by installing the module in the same cabinet as the TA-2490.

Elevator Control Systems are also available in 16, 32, 48, or 64 Floor configurations. For 16 floor configurations, an additional elevator output module is mounted on top of the TA-2490 board. When 32 to 64 floor configurations are required, an additional cabinet containing the required elevator output modules is supplied. When a valid card is presented and granted access to any floors, the corresponding Elevator Relay Outputs will turn ON momentarily. These outputs are interfaced with the elevator manufacturers control system which in turn enables the floor buttons. Floors can also be programmed with "Floor Unlock Schedules" to allow free access during the times specified in the schedule.

TA-2490 Specifications: Consult installation manual for complete list of specifications.

Power Requirements	16VAC,40-75VA,60HZ
TA-2490 Cabinet Dimensions	13 1/8"(W) x 19 3/8"(H) x 3 5/8"(D)
Total Max. Weight of TA-2490 Unit	18.5 Lbs./...8.4 Kg.
Battery Backup:	Battery: Optional, use 12VDC Lead Acid Battery
	Battery Charger: Current Limited, allows 2.5Amps for TA-2490 and all devices
	Battery Test: Runs twice a day for one minute to ensure battery reliability
Output Relays:	Lock (2 per Panel): jumper selectable for 12VDC out or dry contact, SPDT 8A @ 24VDC
	Comm Fail: SPDT 2A @ 28VDC
	Alarm Shunt , Door Held Open, Forced Entry (2 each Per Panel): SPDT 2A @ 28VDC
Door Contact Inputs (2 per Panel):	normally closed door contact
Exit Button Inputs (2 per panel):	Powered circuits (5V), normally open, momentary closure required (Supervision on Door Contact and Exit Button Inputs Optional)
2 Spare Inputs:	Normally Closed, Supervised with TAC End-of-Line Resistor Pack
2 Spare Outputs:	Maximum current sink 30VDC @ 250 mA



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