



“Controlled Access Technology” CAT SERIES ACCESS CONTROL (CAT 2 - CAT 4 - CAT 10)

DESCRIPTION

The CAT series (Controlled Access Technology) is a full featured access control system. The CAT is priced competitively at all levels of its capacity from 50 up to 2,700 phone numbers to meet your target budget and the scalability of the CAT allows for future expansion even after installation making it one of the most flexible systems in the market today. With optional expansion conversion kits this system has the ability to control up to 16 doors and 255 relay points for control of elevators, HVAC, lights and/or other facility control applications that require activation or monitoring. The CAT Series has built in Multi-level surge suppression (proper grounding required) and it's capacity can be upgraded remotely (without changing chips). When used with the intuitive optional “SELCOM Secured” software it can be easily programmed and monitored via modem or by the IP NIC2 card option. This software has made the CAT series compatible with the latest Windows 32/64 bit versions. The series also offers the unique optional feature of CATCOMRF Wireless for special applications. Ideal for medium sized apartments, condos, office buildings, gated communities, small gated home sites and assisted living facilities. The CAT series display is very clear, even in bright sunlight and comes with a **Backlit Blue Keypad** for easy night time use which can scroll both forward and backward. The CAT features the new **SES HY-Lock®** ultra-vandal resistant lock assembly that firmly secures the front door using a 1/4 - 20 threaded spindle with a tubular key.

FEATURES

- ◆ The **CAT 2** provides a single name, backlit LCD display with character size 5/16” (8 mm) high.
- ◆ The **CAT 4** backlit LCD display provides four names at a time. The CAT4 character size is 3/8” (10 mm) high.
- ◆ The **CAT 10** provides a ten name, backlit LCD transfective display. The CAT 10 character size is 1/2” (12.27 mm) high. The first two lines of the main LCD screen are user programmable.
- ◆ The CAT 2, CAT 4 and CAT 10 will control two entrances, without options. (two relays)
- ◆ Clock calendar, 16 time schedules, 16 access levels and 16 access groups.
- ◆ 2 Wiegand card reader inputs (ready to add readers and cards or transmitters and receivers), Option for up to 4 readers.
- ◆ RS485 expansion port (add up to 12 additional readers and 255 relays)
- ◆ Maximum phone number capacity is 2,700 and maximum card (transmitter) capacity is 16,200 (each with a name attached).
- ◆ Database stores 6 credentials per resident code, programmable PIN lengths (1 to 6 digits)
- ◆ REX (request to exit) Alarm shunt and door sense input.

OPTIONS (see Table 1)

- ◆ **CATCOMRF** wireless data connection for expansion.
- ◆ **NIC2**, network interface card provides a TCP/IP interface for network programming.
- ◆ **OPTK4DR** is a plug-on module for expanding the CAT series from 2 readers to 4 readers internally.
- ◆ **CATDR4** is a remote 4 door module that attaches to a CAT system to expand it's capability up to 16 entrances depending on CAT configuration.
- ◆ **CATRLY8** is a elevator / aux. relay module that contains 8 relays and can be programmed for elevator control, light or HVAC control. Up to 32 CATRLY8 can be connected to a CAT system.
- ◆ RS232 or current loop serial communications: Serial I/O (**OPTKSERIAL**).
- ◆ RS485 expansion conversion kit (**CATRS485CONVKIT**)
- ◆ MUI (Multi Unit Interface) Allows up to 8 CAT's to share a single telephone line (**OPTKMUI**).
- ◆ Card Readers and RF Receivers / Transmitters with or without HID Proximity
- ◆ **SWBIP** is a 5 GHz Wireless Ethernet Communication Bridge kit that adds wireless Voice, Video and Data to a CAT System.

APPLICATIONS

- ◆ Residential gated communities
- ◆ Commercial office buildings.
- ◆ Apartment buildings / Condominiums / Townhouses.
- ◆ Retirement homes / Convalescent homes.



CAT 10 HF



CAT 4 HF



CAT 2 HF

**“Controlled Access Technology”
CAT SERIES ACCESS CONTROL
(CAT 2 - CAT 4 - CAT 10)**

SPECIFICATIONS

- ◆ **Dimensions:** 9 1/2" W x 13 1/2" H x 3 1/8" D
semi flush mount: 14 5/8" W x 18 5/8" H
- ◆ **Material Used:** Housing- 12 ga. structural aluminum;
Door- 16 ga. stainless steel
- ◆ **Finish:** Aluminum back box has a painted weather resistant finish.
- ◆ **Power Input:** 16.5 VAC, 20 or 40 VA UL listed transformer (provided with unit).
- ◆ **Modem:** 56K High-Speed Baud (Optional).
- ◆ **Emergency Battery:** 12V .7 AHR GEL CELL on constant charge (for control of line voltage variation and short term telephone support only, **optional**).
- ◆ **Telephone Line:** Standard voice grade RJ11C Jack.
- ◆ **Mounting:** Surface, flush or pedestal mount.
- ◆ **Memory Type:** Non-volatile.
- ◆ **Tone Detection:** Crystal controlled, capable of detecting short burst 50 mS DTMF tone.
- ◆ **Shipping Weight:** Approx. 13 lbs.
- ◆ **Operating Environment:** Temp.: -20°C to +60°C;
(CAT temp.: 0° to 40° C) Relative humidity: 5% to 95% non-condensing.
- ◆ **Relay Output:** Form C dry contact 24V @ 3 AMP.
- ◆ **FCC Reg.:** #CPW74F63331MTE.
- ◆ **ARL LISTED** (UL Equivalent)

CAPACITIES

- ◆ Starting from 50 up to 2,700 phone numbers.
- ◆ Up to 2,700 PIN codes.
- ◆ Up to 16,200 cards each with a reference name.
- ◆ Up to 16 entrances, (2 entrances standard)
- ◆ Controls as many as 255 relays for elevator and auxiliary control when adding the CATRLY8 (relay expansion modules).
- ◆ 8 CAT units can be connected to one phone line using MUI's (one each) and all can be programmed remotely.
- ◆ 13,000 Event Log Buffer (before wrapping)
- ◆ 56K High-Speed Baud modem.
- ◆ Programming for the latest versions of Windows including Vista, 7 and 8 using optional SELCOM SECURED software.
- ◆ Code/Phone/Card capacities can be upgraded by the factory, through authorized dealers only.

ACCESSORIES

Weather Hood Lighted and Unlighted



Model# WHLT2 and WHT2

Semi-Flush Mount Ring



Model# FLR

Designer Door Frame



Model# OPTDF2

Pedestal Adapters



Model# PSTATAC

Stainless Back Box Sleeve



Model# TSL2

Heavy Duty Pedestals



Model#
PST236 = 36"
PST242 = 42"
PST248 = 48"
PST242P = 42" Podium
PST242DS = 42"/ 72" Dual



Shown with Lighted Weather hood on Pedestal



Shown with Black Designer Door Frame and HID Reader

“Controlled Access Technology”
CAT SERIES ACCESS CONTROL
(CAT 2 - CAT 4 - CAT 10)

TABLE 1 - CAT OPTIONS DETAILED

Description / Features	Application	Electrical	Model #
Four Reader Board: four entrance card reader board	Replaces the CAT's standard 2 card reader interface board with four reader interface board	Powered by CAT	OPTK4DR
CATCOMRFM/R Master (Server) Based transceiver provides communications, CAT to expansion module (s). Replaces the RS485 wire. (up to 35 remotes (Clients))	Placed at the CAT it provides a wireless data link to expansion modules. Transmits at 2.4 GHz spread spectrum. Data only, NOT VOICE.	Powered by CAT	CATCOMRFM (Server) CATCOMRFR REMOTE (Client)
Door sense input and alarm shunt output relay:	Senses entrance state, open or closed and shunts existing alarm contacts <or> camera control and alarm output <or> 3rd door control	Form C, 24V AC/DC @ 3 AMPS.	OPTKRLYC
CCD Camera, color	Color pin hole camera mounted inside of any CAT telephone entry processor	Transformer supplied	OPTMINICOLORCAM
NIC2 Network Interface Card with serial port	Network Interface Card that plugs into the CAT. This pc board allows connection to TCP/IP networks. May require a network administrator to install software and IP address.	Powered by CAT	OPTNIC2
Handset Upgrade, 24", 36", 48" with Cradle	Converts Hands Free to Handset (Factory install only)	29" 36" 48"	OPTSH29 OPTSH36 OPTSH48
Serial I/O	Used to connect a computer to any CAT via RS232 interface.	Powered by CAT	OPTKSERIAL
Multi Unit Interface, MUI	Allows up to 8 CAT's to share a single telephone line. NOTE: ONE REQUIRED FOR EACH CAT PLACED ON A SINGLE LINE	Powered by CAT	OPTKMUI
Battery	Provides a short term source of power Charging circuit is provided from CAT.	.8 AMP/HR	B12V
CAT CURRENT LOOP COMMUNICATIONS LINK	Plug in board for the CAT for computer to supply a current loop interface for long distance communications (up to 1000 feet)	Powered by CAT	CATCOM
CARD READERS and RF RECEIVERS	REFER TO : Cards / Readers RF Transmitters / Receivers	See Below	See Below
RS485 conversion kit	Conversion to RS485 is required to expand the CAT Series system capabilities using CAT DR4 and/or the CATRLY8	Powered by CAT	CATRS485CONVKIT
5 GHz Wireless Bridge IP Kit	Kit includes 2 Antennas, Gate Control Panel, House/Bldg. Control Panel. Voice, Video and Data. CAT System not included.	Powered by CAT	SWBIP

CARD READERS

			
RHP1W	RHP3W	RHP4W	RHP10W

HID Proximity readers, read ranges vary. Specifications can be found online at www.selectses.com.

RF TRANSMITTERS (Select Pass/Multi-Pass)

				
RTSPX1 RTMPX1	RTSPX2 RTMPX2	RTSPX4 RTMPX4	RTSP1D RTMP1D	RTSP2D RTMP2D

Works with industry standard 26-bit output receiver for keyless entry and optional HID Proximity.

ORDERING INFORMATION

Model	Phone Capacity	Card Capacity
CAT2HF50	50	300
CAT2HF125	125	750
CAT2HF250	250	1500
CAT2HF500	500	3,000
CAT2HF2700	2,700	16,200

Model	Phone Capacity	Card Capacity
CAT4HF50	50	300
CAT4HF125	125	750
CAT4HF250	250	1500
CAT4HF500	500	3,000
CAT4HF2700	2,700	16,200

Model	Phone Capacity	Card Capacity
CAT10HF50	50	300
CAT10HF125	125	750
CAT10HF250	250	1500
CAT10HF500	500	3,000
CAT10HF2700	2,700	12,000