

# 4140XMPT2 PARTITIONED SECURITY SYSTEM

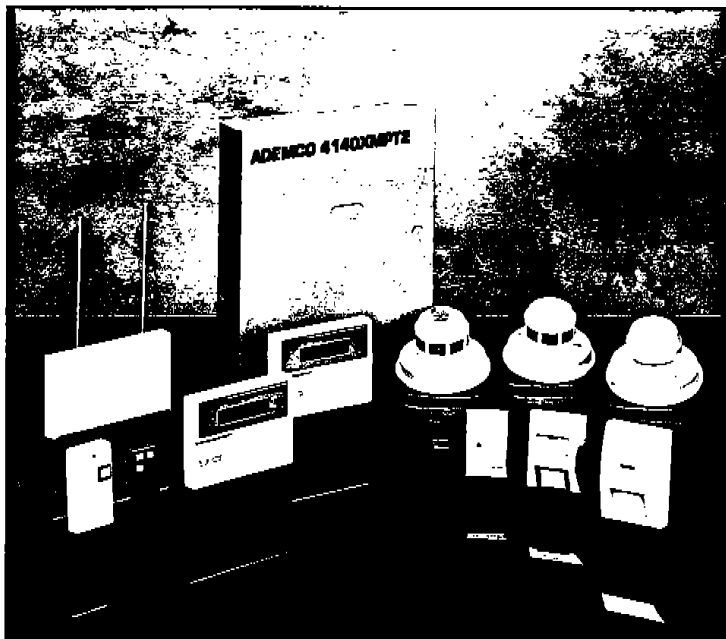
**ADEMCO**

## \* NEW & IMPROVED

- Up to 8 partitions
- 9 hardwired zones
- \* Expansion to 87 zones
- 3 technology options
  - Standard hardwired
  - Ademco multiplex
  - Wireless (5700 or \*5800)
- Supports integrated addressable devices
- Supports 16 two wire smoke detectors
- 128 User codes
- 224 event log with printer support
- \* Open/close exception reporting - reduces phone expenses
- 7 authority levels - tighter control
- Supports up to 16 English text consoles
- \* Timed event scheduling
- Fully downloadable
- Long Range Radio triggers
- \* X-10 interface optional
- \* Intelligent relay control



Addition of new 5800 series transmitters with this control panel is prohibited, other than for repair of existing installations. Non-permitted use voids U.S. warranty.



## Description:

The 4140XMPT2 is a control communicator designed around the industry standard VISTA platform for simplicity, and power. Its advanced design supports nine hardwired, fully programmable zones with extended capacity to 87 zones through an on-board multiplex polling loop.

The system's design flexibility provides up to 8 partitions and supports up to 16 remote English text consoles. The consoles can be allocated throughout the system, each assigned to operate within their own areas of influence. Seven authority levels provide system-wide selectivity in determining access to each given area by each user.

Three protective circuit technologies are supported (wired, multiplex and wireless) to match design demands.

The versatile system provides an event log of up to 224 activities and an optional local printer can document these activities. The serial interface module (4100SM) is used with customer supplied serial printer. Timed events are supported with the industry's most flexible scheduling capabilities. This allows scheduled system events to be designed to meet customer requirements. Downloading is standard. The 4140XMPT2 also supports long range radio applications.

## Application:

The 4140XMPT2 is ideally suited to facilities requiring the flexibility of partitioning, event logging and the use of timed events to provide end users with new standards of security, ease of use, and enhanced system control. Facilities such as schools, hospitals, commercial offices, manufacturing facilities, shopping malls, warehouses and multi tenant residential applications are typical

facilities requiring the flexibility of the 4140XMPT2.

## Partitioning:

The 4140XMPT2 provides the flexibility of up to 8 independent control panels, but with the economy of a single control communicator. The system is easy to use and provides up to seven employee authorization levels for each area. Security personnel can easily determine the system status within each of these areas. Schedules, opening and closing reports and control functions are all managed and linked through the 4140XMPT2.

Up to 16 english text consoles can be assigned to partitions throughout the system.

Up to 128 user codes can be assigned within the system with up to 99 users within any one partition. Changing user assignments remotely is easily supported by a simple to use downloader.

## Event Logging:

This feature provides time/date stamping of all events within the system. Categories for logged information can be selected as follows:

- System events only
- All events
- Alarms and restorals
- Trouble and restorals
- Openings/Closings
- Bypasses

All events can be displayed on the local consoles, or printed on a standard serial printer (printer not supplied). An optional serial interface module (4100SM) is available for connection between the 4140XMPT2 and the serial printer of choice. The printer can be set either on-line or on demand. In on-line mode, all events selected will be printed as the event occurs. In demand mode, a command is executed to print the log contents when required.

## Three Protective Circuit Technologies:

The ability to use any combination of wired, multiplex and wireless devices makes the 4140XMPT2 a more valuable tool for standardization. The benefit of this flexibility includes the ability for a dealer to more accurately plan and complete each installation. Situations that arise can easily be handled by switching as needed from hardwired to wireless and vice versa. Thus the dealer has a full understanding of his needs for labor and materials before and during the installation.

## True Universal Control:

The 4140XMPT2 is a true universal control. Conventional hardwired circuits are most commonly applied for most installations. Many professionals find that even if the initial installation doesn't use all the options it leaves the door open to future sales when the customer requires additional protection.

Multiplexed configurations can lower some installation costs over many conventional methods and provide "device identification" locally and at the central station. Using the polling loop allows fewer terminations,

easier servicing and lowers overall installation costs. The Ademco 4140XMPT2 also provides power on the multiplexing loop for powering the integrated ID sensors (fire and intrusion).

## Output Control:

Want the maximum flexibility for relay control with the least amount of work? Look at the new 4204 Relay Module and the power of the 4140XMPT2! This is a winning combination that's hard to beat.

The new 4204 Relay Module consists of 4 soldered in relays packaged in an attractive plastic housing for either in can or remote mounting. The connection to the panel is the same that you would do for wiring a console - a simple 4 wire run. The 4204 can be commanded to perform a variety of functions depending on your needs in a given application. Let's take a look at some of the things you can do.

### System Driven RELAY Events

All of the typical system events that occur within a control panel can be linked to a relay. For example, you may select one of the 4204 relays to be tripped for the system event of AC Loss. Maybe, for a particular application it is important to trip a light when the Central Station has received a dialed in alarm message. Both of these are as simple as a few programming steps away!

Below is a list of system events that can be programmed to cause a relay trip:

ARMED STAY function, ARMED AWAY function, first CODE + OFF, second CODE + OFF (for resetting 4-wire smokes), any Burglar Alarm event, any Fire alarm event, a main system battery LO BAT, a failure to communicate to central station, a polling loop failure on Ademco's multiplex loop, a failure of the 4 wire console bus, a failure of a console, RF receiver failure, RF supervision failure (when the receiver fails to hear from a transmitter in the prescribed interval of time), a specific zone response type (like all ENTRY/EXIT or all PERIMETER zones).

In addition to the above, other

features may be desired. An entire set of *time driven* events is available which take advantage of the internal clock of the 4140XMPT2. Below is a list of some of these time driven events that can cause the tripping of a given relay:

### Time Driven RELAY Events

For purposes of controlling relays, you may create schedules which can be used for the purposes of telling a relay when to trip and reset. Each schedule may consist of up to two start/stop time windows per day. An independent schedule can be created for each day of the week. Once created, these schedules represent the road map a relay or relays will follow for their action.

You can select from the following relay command actions in programming:

#### Individual Relay Commands

Relay ON, OFF, PULSE (default # of seconds), PULSE (xx minutes), PULSE (yy seconds)

#### Group Relay Commands

Relay Group ON, OFF, PULSE (default # of seconds), PULSE (xx minutes), PULSE (yy seconds)

## Power Line Carrier Control:

Imagine taking all the power of the relays and make it available to the AC power line! That's what you can do now when the job calls for controlling devices through the AC power line. Ademco offers a stand alone transformer (Part Number 4300) which provides both power and signalling capability over the AC power line. Just wire the transformer to the panel and you're ready to unleash all the program power of relays to the AC line and X-10 compatible devices. The only difference between programming a relay or power line device is that a relay device is programmed with a base address/relay number while a power line device is programmed with a house code/number! That's all there is to it.

## Applications are Endless:

There is endless opportunity to increase your revenue through the power and flexibility the 4140XMPT2

can provide! Many times you may have had to turn down additional work because the requested functions by your users wasn't within your reach! Need to uniquely announce a separate sounder for an alarm in a particular partition? Do you have the requirement to put a separate strobe light on a system for FIRE which never shuts down with the system sounder? Need to announce coffee breaks in a commercial building? Desire to assure that certain high current consuming equipment gets shut down at night to save energy? Want security lights to go on in a factory at a certain time and follow a different schedule for weekends? Do you need a sounder or strobe light which is tripped on any alarm in any partition for the guard house in a building complex or school? These are just a few of the many applications for the 4140XMPT2's powerful relay control functions!

#### Open/Close by Exception:

No commercial security system is complete without reporting to Central Station on an *exception* basis, if desired. The 4140XMPT2 allows you to configure the system with up to 2 schedules per day per partition. These schedules represent the normal times of operation for the subscriber. Reports of Openings and Closings will occur if they are performed outside of the designated time windows of the schedule. This cuts down on central station traffic, thus reducing phone line charges. Furthermore, the 4140XMPT2 provides for a pool of an addition 16 holiday schedules which can be individually selected for use by each partition if desired. The 4140XMPT2 even provides for a temporary schedule of up to a full 7 days which can be used for abnormal or unforeseen site requirements.

#### Auto Arming/Force Arming/Disarming:

In certain instances, a subscriber's application may require the system to automatically arm normally (arm if all zones are ready), arm with open zones automatically bypassed (force arm), or disarm at a preset time. The

4140XMPT2 provides complete and independent control of Arming and Disarming functions for just about any application. Ademco has taken into consideration that a good implementation of auto arming is critical to the reduction of false alarms. The 4140XMPT2 allows programming of an auto arming *sequence*. This delay starts from the end of the scheduled time window and represents a grace period of time prior to starting an auto arming function. The delay is programmable in 4 minute increments from 4 to 64 minutes.

For example, this would be helpful, if an office closes at 9:00PM and you want additional time as a grace period to ensure employees will not be in the building. In addition to this safeguard, the 4140XMPT2 provides audible warning during the process of auto arming. At the end of the auto arm delay, the auto arming sounding option goes into effect. Programmable in 4 second increments from 4 to 64 seconds, the console sounds warning beeps indicating arming is about to occur. At the end of this delay the panel will arm. This feature provides complete flexibility along with the necessary safeguards in the reduction of false alarms. The 4140XMPT2 provides independent delays for the arming and disarm functions.

#### Programming:

The 4140XMPT2 can be programmed at your office, or at the job site directly from the console. It can also be programmed remotely with Ademco's V-Link downloading software or with a direct connection to your PC using the 4100SM Serial Interface Module.

For end user flexibility 128 user codes can be assigned to the 4140XMPT2. User codes provide management control and accountability for key installations.

Advanced levels of transmission integrity can be easily integrated to this package. The 4140XMPT2 provides voltage triggers to interface with the Ademco AlarmNet network and other radio systems.

#### Dimensions:

Universal cabinet; w/removable door.  
Height: 12 1/2"  
Width: 14 1/2"  
Depth: 3"

#### Electrical Specifications:

Voltage Input: 16.5VAC, Transformer Rated at 40VA.  
Rechargeable Back-up Battery: 12VDC, 4.0 AH or 12VDC, 6-7 AH Battery  
Output: 12VDC, 750mA  
Auxiliary Power: MAX  
Standby: 2.5 hours (4 AH battery) or 4.0 hours (6-7 AH battery) with full 750mA aux power load  
Circuit Breaker: Battery & Bell circuits are thermal breaker protected.

#### Approvals:

UL 1023 Household Burglary  
UL 985 Household Fire

## ORDERING INFORMATION



#### 4140XMPT2

Control/ Communicator package includes the following:

- 8 partitions
- 9 Hardwired zones
- Expandable to 87 zones
- Three panic zones
- Duress
- Includes transformer and cabinet (Order batteries separately)

## OPTIONAL MODULES



#### 4100SM

Serial interface module for direct wire downloading or as a printer interface. Comes complete with cable connections for easy connection to most serial communication ports.

## WIRELESS DEVICES



**5816**  
Miniature transmitter. Built-in reed contact. Order 5799 magnets separately. Tamper. Includes one 3 volt Duracell lithium battery (466).



**5817**  
3-point transmitter. Accepts 3 switches with 3 different addresses. NO or NC capability. Tamper. Includes one 3 volt Duracell lithium battery (466).



**5827**  
Wireless keypad. Use handheld or wall mounted. Provides almost complete system control capability. Raised dome keys and LED for positive operation.



**5849**  
Glass break detector. Audio discriminator plus shock. Tamper. Includes two 3 volt Duracell lithium batteries (466).



**5802**  
Portable panic. Single button action. "Press and hold" to avoid accidental alarms. Waterproof (sealed battery). Order optional belt clip (5802CP).



**5890**  
Dual element PIR/transmitter. Interchangeable lenses. Built-in transmitter w/battery saver circuit. 40' wide angle pattern. Tamper. Incl. one 3 volt Duracell lithium battery (466).



**5806**  
Photoelectric smoke detector. Includes two 9 volt alkaline batteries (464). Tamper. Model 5806BA includes 9 volt battery.



**5807**  
Photoelectric smoke detector. Includes two 9 volt alkaline batteries (464).



**5803**  
3 button transmitter "Three-button key". Programmable functions (see control documentation for programming options.)



**5801**  
4 button transmitter. Four-button handheld or wall mount. Programmable functions. Includes one 3 volt Duracell lithium battery (466).



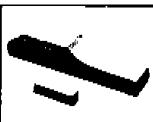
**4281L - Up to 4 Pts.**  
**4281M - Up to 8 Pts.**  
**4281H - Up to 63 Pts.**  
**5881L - Up to 8 Pts.**  
**5881M - Up to 16 Pts.**  
**5881H - Up to 63 Pts.**  
Receiver - Connects to 4 wire keypad data lines & is powered from auxiliary power. Provides up to 63 zones when connected to a 4140XMP2.



**5727**  
Keypad - wireless with transmitter. Handheld or wall mounted. LED blinks when sending data.



**5716WM/5716**  
Slimline door window transmitter. 5716WM comes with magnet. 5716 does not.



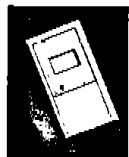
**5711 Slimline**  
Door/Transmitter, Slimline transmitter with built-in reed switch. Fits on or next to door jams.



**5742**  
Audio Discriminator/Transmitter low battery supervision, not for glass mounting, low battery supervision.



**5743**  
Audio and shock sensor/transmitter. Dual technology, not for glass mounting. Low battery supervision.



**5701**  
Panic, portable transmitter. Single button with "press and hold" feature.



**9729**  
Glassbreak sensor, used with 5716, 5711 or 5715 transmitter. Piezo technology. 1/2"W x 2"H x 5/16"D



**5775**  
PIR w/built-in transmitter battery saver circuit. 35' x 45' wide angle pattern or pulse count signal analysis.



**5706**  
Smoke detector, photoelectric with built-in transmitter. Low profile with integral sounder.

## CONSOLE SELECTION



**5137AD**  
2-line by 16 character, supertwist display. Built-in sounder. Backlit keys and display.



**4137AD**  
Can be used with limited functionality. Cannot be used for programming. Fixed English LCD display with backlit keys and built-in sounder.



**6139**  
System matched 4 wire keypad with super large two line by 16 character LCD alphanumeric supertwist display and built-in alarm sounder. Door is removable if not desired.

