

Accessories

FAN AND THERMOSTAT

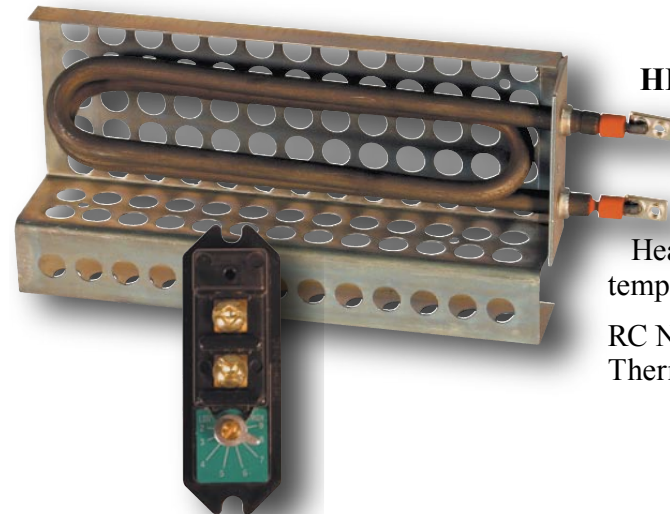
Fan - 100 CFM fan helps keep cabinets cool in hot weather and is thermostatically controlled by unit listed below. Is supplied with all mounting hardware.

Fan Thermostat - Used with a fan to control internal temperature of cabinets. Can be set in 15-degree increments with a range of 90 to 150 degrees.

RC Network (Electric Filter) - Part Number 122-PBN2002

Thermostat - Part Number 503-1

Fan & Thermostat Kit - Part Number 00100102001



HEATER AND HEATER THERMOSTAT

Heater - Warms cabinets in cold weather to keep controls working at optimum performance. This 250W 125V heater is used with thermostat below. Part Number 700-1

Heater Thermostat - Used with heater to control internal temperature of cabinets. Can be set in 15-degree increments.

RC Network (Electric Filter) - Part Number 122-PBN2002

Thermostat - Part Number 122-PNC7

CABINET SHELVES

Provides additional storage within cabinets and allows for easy installation of necessary componentry.

Please specify 24", 30", 36", or 44".

24" - Part Number 122-762 Shelf

30" - Part Number 122-702 Shelf

36" - Part Number 122-704 Shelf

44" - Part Number 122-712 Shelf



CABINET FILTER

Protects equipment within the cabinet by filtering incoming air. Should be changed twice annually to assure effectiveness.

Part Number 1545-1



Accessories



LOADSWITCHES

(NEMA) - The TAPCO solid-state relay is designed to meet NEMA specifications. Each loadswitch contains three individually replaceable modules enclosed in a dust resistant metal enclosure, providing mechanical protection and excellent heatsinking for the modules.

The modules are easily accessible with a screwdriver.

Part Number 071-2 (Modular)

Part Number 373-1 (Discrete)

FLASHERS

(NEMA) - The TAPCO solid-state flasher is designed and built to meet NEMA specifications. Each flasher contains two individually replaceable modules enclosed in a dust resistant metal enclosure, providing mechanical protection and excellent heatsinking for the modules. The modules are easily accessible with a screwdriver.

Part number 071-1 (Modular)

Part Number 373-2 (Discrete)



PANEL MOUNT FLASHER

TAPCO's panel mount flashers contain all flashing and load switching circuitry in a convenient to use cube style package which is small enough to fit inside the signal body. These flashers may be used for flashing two tungsten lamps, LED, or inductive loads. Single circuit operation is possible by connecting only one load, thereby providing a spare circuit should overload of the connected circuit occur.

Part Number 1216-2

FLASH TRANSFER RELAY

110/120VAC double pole double throw relay. Years of reliable service. Operating range -40° to 84° C.

Part Number 122-PAR2018



MERCURY RELAY SWITCH

The BF (normally open) 30 AMP Mercury Relay Switch, features long-life contacts which provide low, stable contact resistance. Screw terminals are included for both load and control connections. The top wiring style of the load terminals allows efficient use of available panel space. Part Number 080-2





SSM-6E

CONFLICT SIGNAL MONITORS

SSM-E Series. The SSM-E Series Signal Monitors exceed all the requirements set forth in the NEMA Standard TS-1-1994, Part 6. These units are intended to provide enhanced conflict and voltage monitoring for traffic controller assemblies with additional capabilities for broader fault coverage.

- SSM-6E 6 channel - Part Number 395-SSM6E
- SSM-12E 12 channel - Part Number 395-SSM12E

SSM-LEC Series. The SSM-LEC series Signal Monitors exceed all the requirements set forth in the NEMA Standard TS-1-1994, Part 6. These units are intended to provide enhanced conflict and voltage monitoring for traffic controller assemblies with additional capabilities for broader fault coverage and diagnostic troubleshooting. These units include a Full Intersection Liquid Crystal Display (LCD) along with an RS232 port which is used to communicate with a Personal Computer using EDI ECom™ software. Monitor status, event logs, and Signal Sequence History logs are stored in nonvolatile memory for diagnostic and archival purposes.

- SSM-6LEC 6 channel - Part Number 395-2
- SSM-12LEC 12 channel - Part Number 395-1



SSM-12LEC



UPGRADE YOUR NEMA TS-1 CABINET TO OPERATE WITH THE SAFETY AND DIAGNOSTIC CAPABILITIES OF A TS-2 MMU WITHOUT CABINET WIRING CHANGES

The MMU-16LE Smart Montitor™, includes a built-in Setup Wizard to quickly and accurately configure the monitor parameters simply by answering a short series of questions related to the intersection geometry and cabinet wiring. The “built-in” context sensitive HELP System and Diagnostic Wizard then automatically pinpoint fault signals, thus providing technicians with an unprecedented amount of assistance and data feedback quickly with a push of the Help button. The MMU-16LE Smart Montitor™ also includes a “built-in” version of EDI's ECom™ software which displays signal voltages, data logs and vital cabinet information displayed directly on the MMU-16LE Smart Montitor™ front panel display.

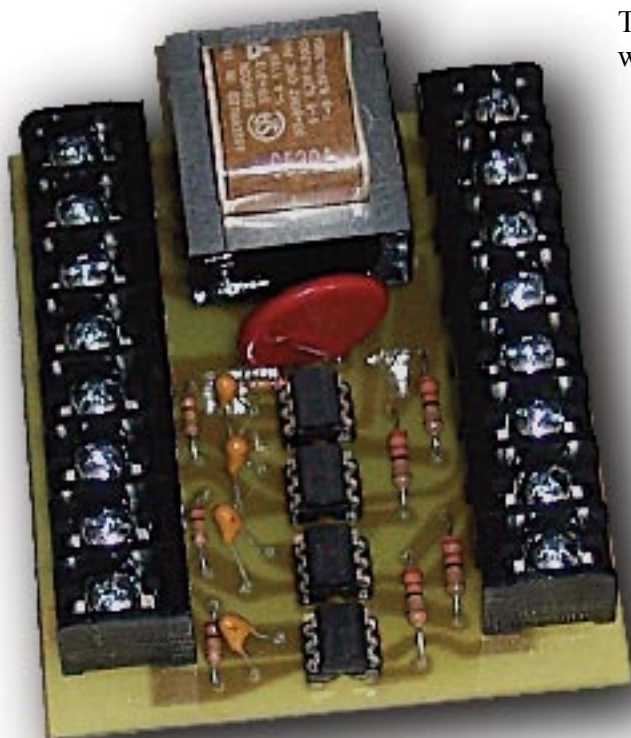
MMU-16LE - Part Number 395-016LE



Accessories

PEDESTRIAN PUSHBUTTON OPTO ISOLATOR

Tapco made 4-channel optical interface for use with pedestrian pushbuttons. Part Number 562-1



CX06-M

VIDEO SURGE SUPPRESSION

The CX06-M Surge Protective Device (SPD) is single Coax SPD implementing three-stage hybrid technology. The SPD addresses overvoltage transients with a primary gas discharge tube (GDT), and secondary silicon avalanche diode (SAD) components. Over-current protection, e.g. sneak and fault currents, are mitigated with solid-state resettable fuses PTCs. The CX06-M is designed in accordance with NFPA 780 (2004 edition) requirements, with up to 20kA of surge current capability. Part Number 1639-15

STREET LIGHT BREAKER

20 Amp Breaker- Provides protection to electrical components when street lighting is installed within the cabinet. Includes mounting bracket. Part Number 367-8



Accessories

TRAFFIC SIGNALING SURGE SUPPRESSION

PC 642 SERIES

Data/Signal Modular 2-Pair

The PC642 Series surge suppressor is a dual-pair (4-wire) module implementing three-stage hybrid technology. This module addresses overvoltage transients with gas tubes and silicon avalanche components. In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTCs increase resistance by several orders of magnitude when overcurrents exceed safe levels. A normal state resumes when overcurrents are removed. The ability to self-restore in this manner significantly increases suppressor performance and survivability.

The PC642 card edge module is gold-plated, double-sided and is designed to mate with the PCB1B gold-plated female terminal connector. When snapped together, the data circuits “pass through” the protector in a serial fashion from the four “Field Side” terminals to the four “Electronics Side” terminals. Terminals 1 or 10 of the PCB1B must be attached to Building Approved Ground.

Part Number 221-3 Suppressor

Part Number 221-4 (base for above)

SRA64 SERIES

The SRA64 Series surge suppressor is a single-pair cube implementing three-stage hybrid technology. This cube addresses overvoltage transients with gas tubes and silicon avalanche components. In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTCs increase resistance by several orders of magnitude when overcurrents exceed safe levels. A normal state resumes when overcurrents are removed. The ability to self-restore in this manner significantly increases suppressor performance and survivability.

The standard SRA64 second-stage clamps are placed from each signal line-to-ground. In certain cases, where ground potentials vary from site-to-site, a line-to-line only second-stage clamp may be preferred. This variation is specified by a suffix “D” on the part number. In other cases, line-to-line and line-to-ground second-stage clamps may be preferred. This variation uses an “X” suffix on the part number. Part Number 221-SRA64C

Suppressor



Base



SPA-100T LIGHTNING ARRESTOR

SPA-100T Lightning Arrestor provides EMI/RFI filtering and transient voltage suppression to protect vulnerable AC power lines.

Part Number 122-SPA100T

Features

- No Follow Current
- 5 Nanosecond Response Time
- Automatic Recovery
- 120 VAC, 60 Ampere Service
- Flame-retardant Epoxy Encapsulated



AC POWER LINE FILTER



Power line filter complies with ISO-9001 and UL 1283 requirements. Made of high impact plastic with epoxy encapsulation assures long life and dust/water resistant. This 120VAC, Single-Phase 2 wire (line and neutral) filter is rated at 60 amperes and measures just 3.9" x 4.4" x 1.6".

Part Number 122-PPC2005

Nominal Operating Voltage....	120VAC
Operating Voltage Range.....	120±25%
Operating Frequency Range...	47-63 Hz
Connection Type.....	1/4-20 Studs
Amperes.....	60 Amperes
Phase Configuration	Single Phase 2 wire (Line and Neutral)
Size	3.9 in. x 4.4 in. x 1.6 in.
Weight.....	2 lbs.
Maximum Continuous Operating Voltage (MCOV) ...	240VAC Load Surge Current Rating



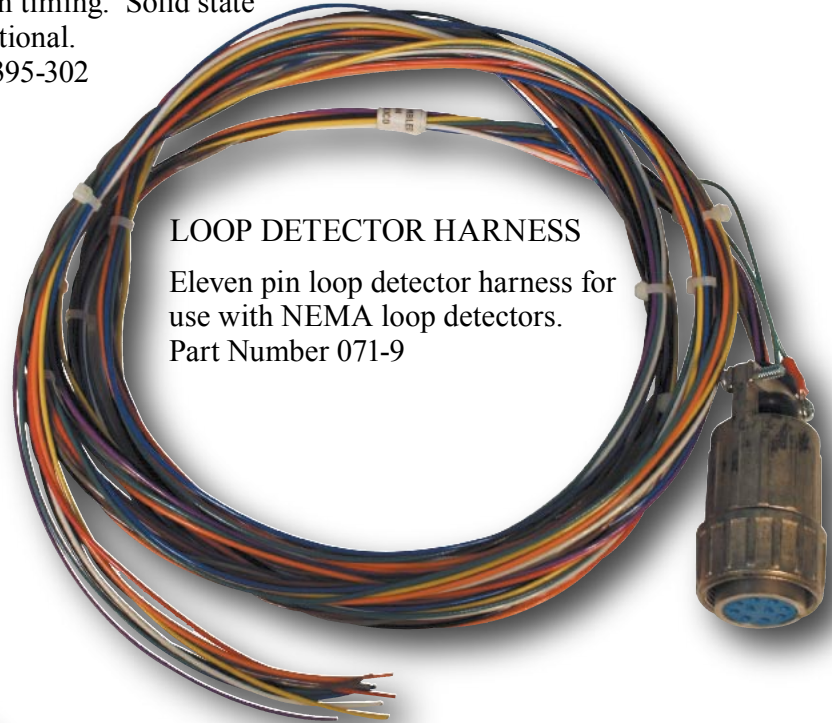
Accessories



LM-302T LOOP VEHICLE DETECTOR

This detector is a shelf mounted NEMA TS-1 Type with two channels and 15 levels of sensitivity. It includes 4 loop frequencies, 3 modes of operation and delay/extension timing. Solid state outputs are optional.

Part Number 395-302



LOOP DETECTOR HARNESS

Eleven pin loop detector harness for use with NEMA loop detectors.

Part Number 071-9

For additional Loop Detectors see Section 4 "Vehicle Detection".

VARISTOR

Provides line filter protection in cabinets.

Part Number 122-PGR3325



COLLAR

Provides quick, secure cabinet mounting to poles 4 to 4.5 inches in diameter. Cast in lightweight aluminum, the collar is ready to paint and is shipped with all mounting hardware.

Part Number 122-EL12

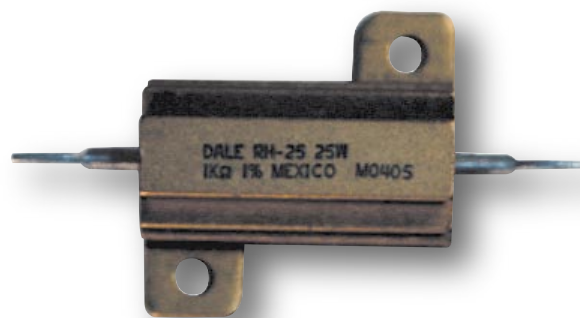


Accessories



POWER SUPPLY, WALL TRANSFORMER

DC Power supply, Input: 120VAC/60Hz, Output: Unregulated 12VDC@100mA, DC Connector: 2.5mm ultraminiature phone plug. Size: 2.2 x 1.7 x 1.5 inches with 5.6 feet of cable. Part Number 1791-2



LOADING RESISTOR

1 K 25 watt loading resistor. Attaches easily with two mounting screws. Part Number 55-94



CONVERTER

The 485TBLED converts unbalanced, full-duplex RS-232 signals to balanced, full or half-duplex RS-422 or RS-485 signals. RS-485 is an enhanced version of the RS-422 Standard. It allows multiple drivers and receivers on a two-wire or four-wire system. Part Number 1791-1



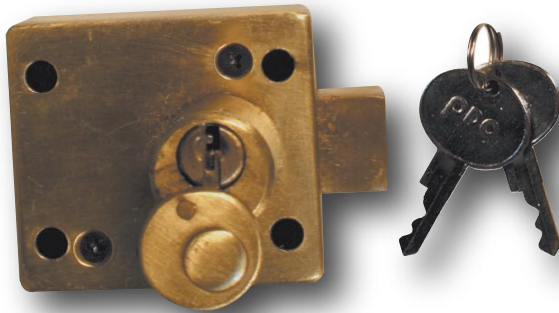
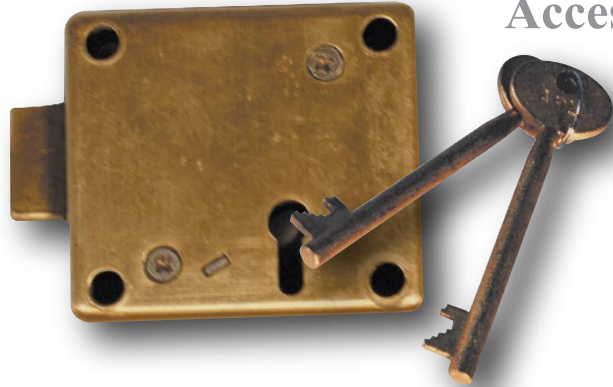
Accessories

POLICE LOCK & KEY

Secures cabinet from intruders and opens with universal "police door key". Lock and key are sold separately.

Lock - Part Number 290-1012

Key - Part Number 122-PAK9



LOCK ASSEMBLY

As above but with a typical "civilian" key and dead bolt. Keys are easily replaced or duplicated when necessary. Key and lock assembly sold separately.

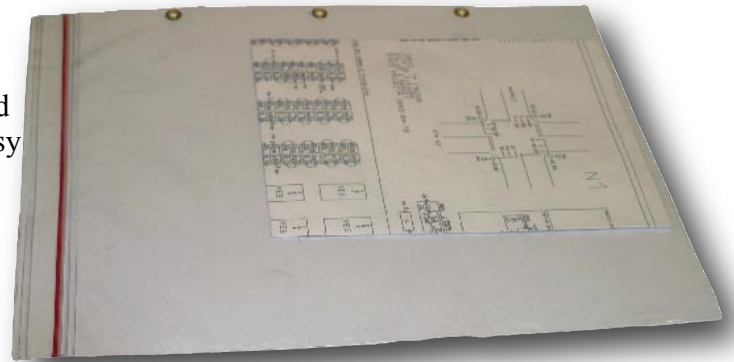
Lock - Part Number 122-EL142

Key - Part Number 122-PAK1

PRINT POUCH

Convenient, weather-tight storage for all pertinent prints and related documents. Hangs inside door of any cabinet for easy reference.

Part Number 122-PLC29



AUTO HAND CORD

For police/official use. Controls intersection by hand for temporary or occasional needs. Quick and easy installation with two wire hook-up. (Requires Auto/Hand switch.)

Part Number 122-EF20325

