Fire Alarm Surge Protection

Diagram labels:
- **SLC** — DTK-2MHLP-BWB (shorts to ground) / DTK-2MHLP-FWB (opens circuit)
- **IDC/PIV** — DTK-2MHLP-BWB / DTK-2MHLP-FWB
- **NAC** — DTK-2MHLP-BWB
- **Cellular Communicator**
- **External Antenna Kit** — DTK-VSPN or DTK-VSPSMA
- **Phone Lines** — DTK-2MHLP130BWB (hardwired) or DTK-MRJ31XSCPWP (modular, one per line)
- **Electrical Service** — DTK-DF120S1 (series connection) or DTK-120HWLOK (parallel connection)
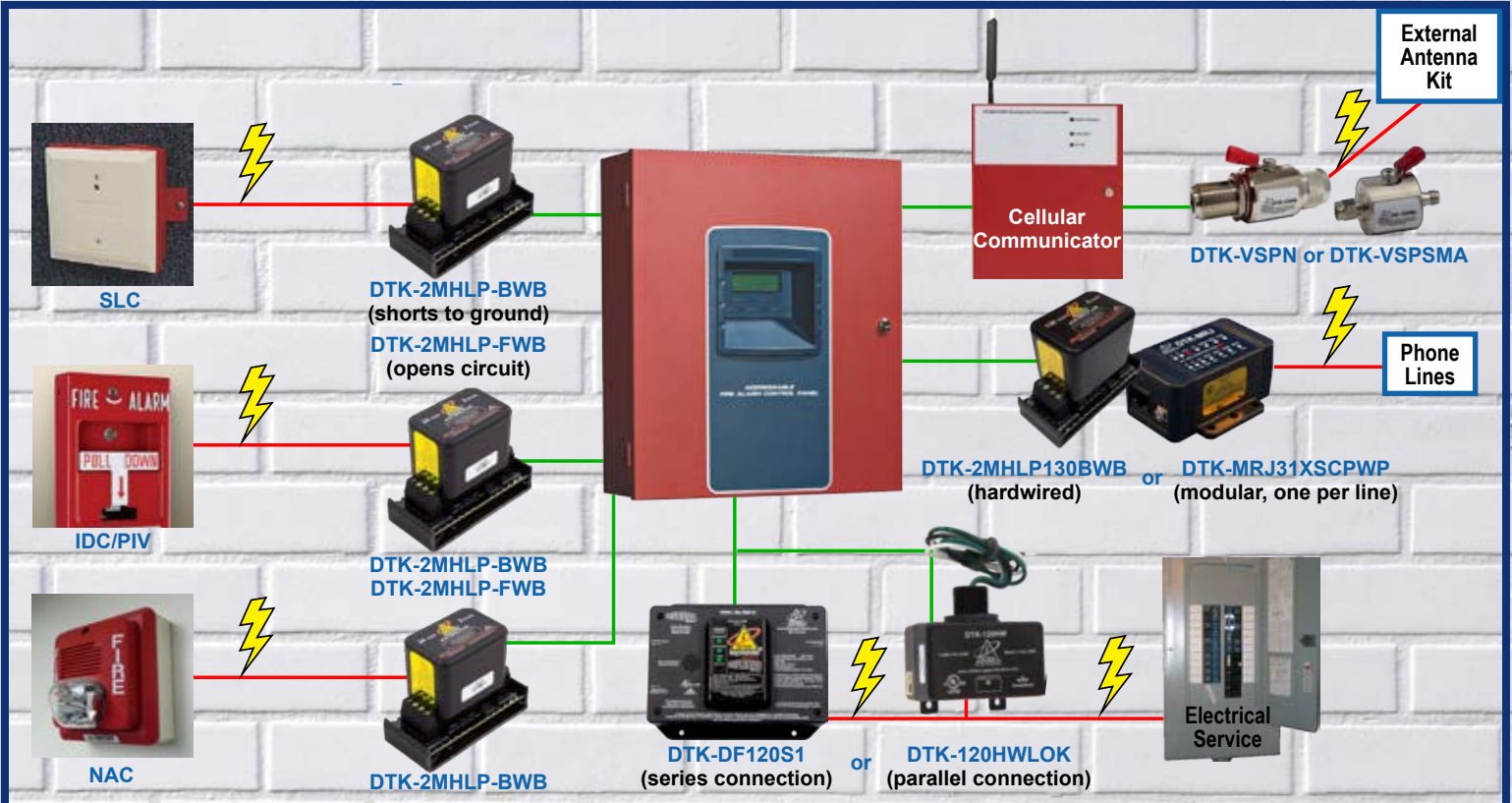
Fire alarm and life safety systems are essential for protecting people, property and assets in virtually every school, hotel, hospital, office complex and public facility across the country. Facilities cannot afford to be without surge protection to protect these mission critical systems from damaging power surges and spikes. These surges can enter from power supply lines, signaling line circuits, initiating device circuits, outdoor antenna connections, and notification device circuits – in fact, any electrical path has the potential to find its way into the FACP. Surge protection is an extremely cost-effective first line of defense against common power issues, and increases overall safety while reducing liabilities.

DTK-DF120S1 Features & Specs

- 120V / 20A series-wired SPD
- Rapid-replacement module
- Audible alarm & status indicators
- Dry contacts for remote monitoring
- UL 1449 listed
- UL 1283 EMI/RFI filtering

DTK-2MHLP Series Features & Specs

- 2-pair, modular loop circuit surge protectors
- 20kA surge current rating, 5-130V configurations
- B series shorts to ground
- F series removes load and opens circuit
- Screw terminal connections

DTK-120HW Features & Specs

- 120V parallel-wired SPD
- 50,000A max surge current rating
- Compact design with NEMA 4X enclosure
- DTK-120HWLOK includes lockout kit

DTK-MRJ31XSCPWP Features & Specs

- Single pair dialer protector with RJ31X connection
- Automatic reset handles multiple surges

Total Surge Solutions

120VAC power surge protection with audible alarm and Form C dry contacts for remote monitoring

6-position mounting base for 2MHLP modules to protect up to (12) SLC, NAC, IDC/PIV, network or dialer circuit pairs

Audible alarm can be silenced via included time delay switch (24 hours)

Low voltage module cover ships blank to allow for application of installation company logo sticker

DTK-120X12

Visual, audible, smart. DITEK's DTK-120X12 sets a new standard for 120VAC power and low voltage surge protection. It will protect your system power and up to twelve (12) pairs of SLC, IDC/PIV, NAC, network or dialer circuits. This combo unit comes equipped with a DTK-DF120M, 120VAC, replaceable surge protection module and a 6-position mounting base for replaceable, low voltage surge modules. Adding DTK-2MHLP modules (modules must be ordered separately) for data/signal and dialer circuit protection provides a complete solution for your fire alarm system.

DTK-TSS1 Features & Specs

- 120V alarm panel protection with 5-positon base
- Low voltage module sold separately to protect up to (10) pairs of SLC, NAC, IDC or NAC circuits
- Dry contacts for remote monitoring

DTK-TSS3 Features & Specs

- 2-position base for SLC loop protection modules
- Protects up to (4) pairs of building-to-building cable runs
- NEMA 4X enclosure for harsh environments

DTK-TSS2 / TSS2NM Features & Specs

- **DTK-TSS2:** Protects 120V system power & up to (4) pairs of loop circuits - NEMA 4X enclosure
- **DTK-TSS2NM:** Protects 120V system power with space for monitor module - NEMA 4X enclosure

DTK-TSS4D Features & Specs

- Protects 120V system power
- Dry contacts for remote monitoring
- NEMA 4X enclosure for harsh environments