

## Standalone Detection Smoke Detectors 517 Series

Edwards 517 Series Single Station Smoke Detectors feature a solid state piezo signal and a strobe with "FIRE" lettering.

The 517TCS/517TCSB Series provides the 3 pulse temporal pattern evacuation tone as a standard feature. The smoke alarm operates on the light scattering principle, using a pulsing LED light source and a photodiode sensor in a fully screened sensing chamber. Upon activation, the alarm will emit a local audible signal and activate the high intensity strobe.

They are designed for ceiling or wall mounting on a 4" (102mm) square mounting box using a universal mounting plate, and have a quick-disconnect plug connection.

## Features and Specifications

- Quadra-port smoke entry
- 3 position functional test switch
- Solid-state LED condition indicator
- Quick disconnect wiring harness
- 9V DC alkaline battery back-up
- Tandem connection up to 6 alarms per system
- Dry contacts will activate from the tandem wire
- Temporal pattern evacuation sounding device
- 100dB @ 1m/90dB @ 10ft.
- Operating temperature range: 40°F to 100°F (4.4°C to 37.8°C)



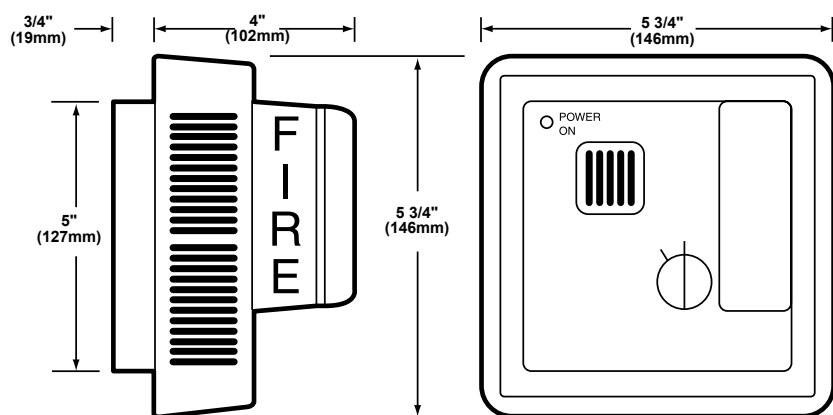
## Ordering Information

|                                             |                  |                                   |              | UL 1971<br>Strobe<br>Output | dB at<br>1m/10ft. | Mounting | Nominal<br>Sensitivity  | Auxiliary<br>Relay<br>(Standard)                   |
|---------------------------------------------|------------------|-----------------------------------|--------------|-----------------------------|-------------------|----------|-------------------------|----------------------------------------------------|
| Description                                 | Cat. No.         | Operating<br>Voltage <sup>1</sup> | Current      |                             |                   |          |                         |                                                    |
| Smoke Detector                              | <b>517TCS-C</b>  | 120V AC                           | 0.4 A (peak) | 177 cd                      | 100/90            | Ceiling  | 2.5%<br><br>Obscuration | 1 Form C<br><br>(1 A @ 24V DC;<br>0.6 A @ 125V AC) |
|                                             | <b>517TCS-W</b>  | 120V AC                           | 0.4 A (peak) | 177 cd                      | 100/90            | Wall     |                         |                                                    |
| Smoke Detector with<br>9V DC Battery Backup | <b>517TCSB-C</b> | 120V AC                           | 0.4 A (peak) | 177 cd                      | 100/90            | Ceiling  |                         |                                                    |
|                                             | <b>517TCSB-W</b> | 120V AC                           | 0.4 A (peak) | 177 cd                      | 100/90            | Wall     |                         |                                                    |

<sup>1</sup>AC voltage frequency is 60 Hz.

## Weights and Dimensions

| Cat. No.  | Approx. Shipping Weight (lb.) |
|-----------|-------------------------------|
| 517TCS-C  | 1.2                           |
| 517TCS-W  | 1.2                           |
| 517TCSB-C | 1.6                           |
| 517TCSB-W | 1.6                           |



# MEA ADA

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