

20-040 and 20-046 COUNTDOWN TIMER



PRODUCT INFORMATION

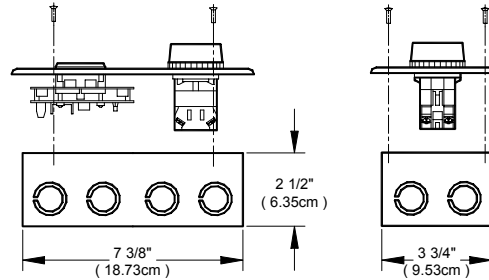
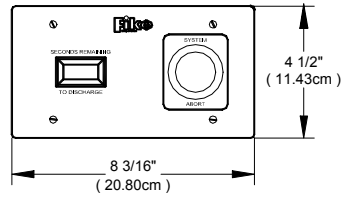
Description

The Fike 20-040 & 20-046 Countdown Timers are accessory units for use with Fike Fire Suppression Systems. They are designed to provide a visual representation of time prior to release of the agent. They require input from the Fike UL listed control panel at the start of the pre-discharge state to initiate their countdown sequence. This countdown can either be a polarity reversal signal or relay activation, depending upon the wiring option selected. The countdown sequence does not reflect abort conditions at the panel. The timers are sold with manual release switches and/or abort switches. They are provided with back box of appropriate size.

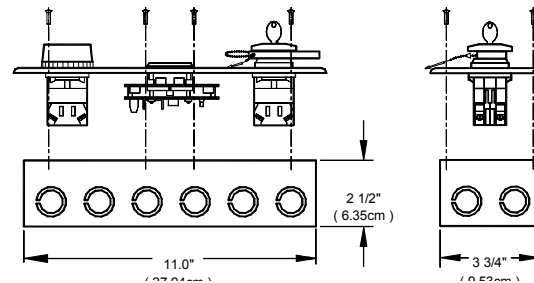
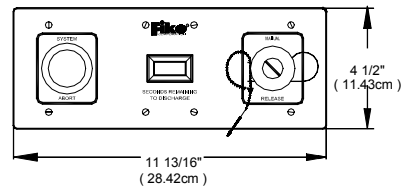
SPECIFICATIONS

Input Voltage	24 VDC
Current Consumption	0 mA In Stand-by 160 mA In Pre-discharge
Circuit Limitations	Class A or B
Dimensions	See drawing
Weight	20-040 0.752 lbs. 280.6 grams 20-046 1.128 lbs. 421.6 grams
Operating Temperature	32°F to 120°F 0°C to 49°C
Operating Humidity	10% to 85% RH, non – condensing
Installation Method	Assembly mounts to back-box supplied with the individual unit.
Listings and Approvals	U.L listed S3217 F.M. Approved OY4A4.AY C.S.F.M. 6760-0900:103 M.E.A. 163-95-E

20-040 COUNTDOWN TIMER WITH ABORT SWITCH



20-046 COUNTDOWN TIMER WITH ABORT SWITCH & MANUAL RELEASE



INSTALLATION & CHECKOUT

- 1) Disable the Control Panel Agent Release Circuit.
- 2) Remove all power from the control panel.
- 3) Connect the field wiring to the countdown timer terminals according to the wiring diagram provided.(see reverse side)
- 4) Adjust the Countdown Timer ten's and units settings for the proper time that corresponds to the panel pre-discharge countdown time.
- 5) Terminate field wiring on the abort and/or manual release switch(s).
- 6) Apply power to the control panel. With the system disarmed, test the system and verify the proper operation of the timer. Make adjustment to timer units settings to reflect accurate timing as per the control panel. Test the operation of the abort and/or manual release switch(s).
- 7) Install the switch plate to the back-box.

OPERATIONS

When the control panel enters the pre-discharge state it initiates the signal to start the Countdown Timer. The timer displays the countdown time as determined by the rotary switch settings. After the time has elapsed, the L.E.D. display will indicate '0' until power is removed (silenced or reset) thus resetting the timer. The operation and installation of the Abort and/or Manual Release Switch(s) is described in Installation Guide 06-230.

SAFETY NOTICES

Read all of the following warnings and cautions before attempting to install or use this device. Personal injury or accidental release of the suppression system may result if these warnings and cautions are not followed.

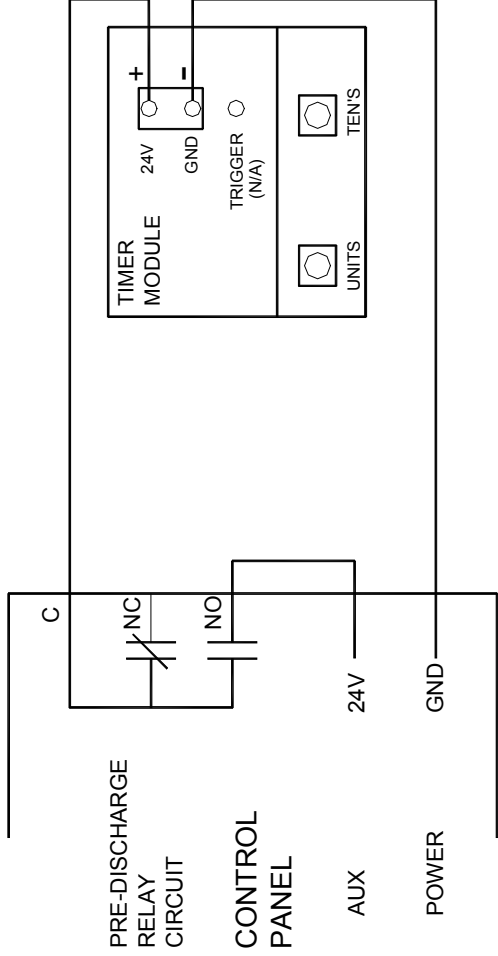


CAUTION The Countdown Timer contains static sensitive components. Handle the timer by the edges only and avoid touching the integrated components. Keep the timer in the protective static bag it was shipped in until time of installation. To prevent damage from static discharge, always ground yourself with a proper wrist strap before handling the Countdown Timer.

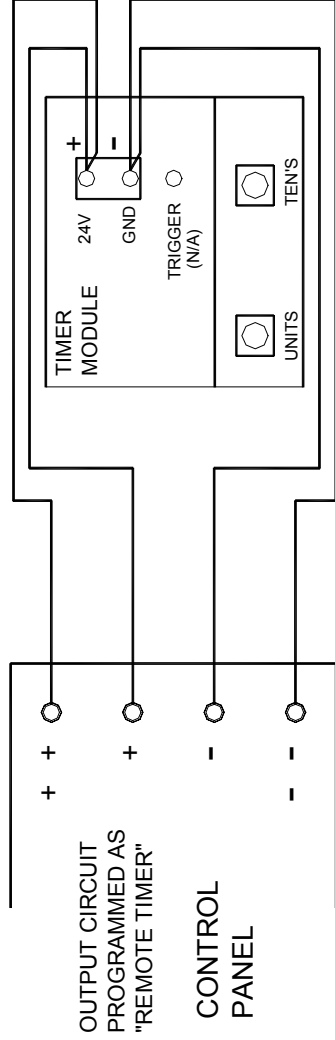


WIRING DIAGRAMS

Output Relay



Audible Circuit Class A



Audible Circuit Class B

