

TRANSFORMERS AND BATTERIES

DESCRIPTION

The transformer and batteries compliment the Fike control system power supply.

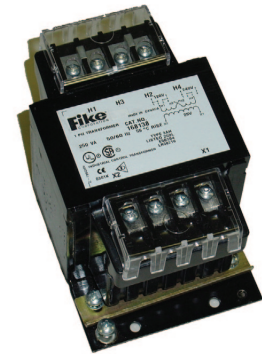
The transformer converts the high voltage AC to the 25 VAC required for the Power Supply Unit (PSU) operation, and is available in two models:

Fike P/N	Description
02-10644	Transformer 120/240 VAC 50/60 Hz
02-10879	Transformer 100 VAC 50 Hz

The batteries provide the supervised 24 VDC back-up power for the PSU. Two 12 VDC batteries are required for each PSU. Batteries are available in capacities as follows:

Fike P/N	Description
E10-0082-1	(2) 12 VDC, 7AH Batteries with 1m (3 ft) wiring harness
E10-0082-2	(2) 12 VDC, 12AH Batteries with 1m (3 ft) wiring harness
E10-0082-3	(2) 12 VDC, 18AH Batteries with 1m (3 ft) wiring harness
E10-0083-1	(2) 12 VDC, 33AH Batteries
E10-0083-3	(2) 12 VDC, 44AH Batteries
E10-0083-2	(2) 12 VDC, 75AH Batteries
E10-0110	Enclosure Breather Drain Kit, SST*
E10-0111	Enclosure Breather Drain Kit, Brass*

* Applicable for sealed NEMA rated enclosures.



Transformer



Batteries

APPROVALS:

- UL Listed as type 3AH
- CE marked (LVD tested and approved)
- CSA Certified



SPECIFICATIONS

Transformer:	02-10644	02-10879
Voltage:	Power: 240 VA, 60 Hz Primary: 120/240 VAC Secondary: 25 VAC	Power: 100 VA, 50 Hz Primary: 100 VAC Secondary: 25 VAC
Mounting:	DIN rail mount	
Safety Feature:	Finger Safe Covers Provided	
Size:	100mmL x 140mmH x 90mmD (3.8"L x 5.3"H x 3.5"D)	
Weight:	3.9 kg (8.6 lbs.)	
Batteries*		
7 AH Batteries:	Termination: Spade Terminals Size: 151mmL x 65mmH x 102mmD (5.9"L x 2.57"H x 4"D) Weight: 2.7 kg (6 lbs.)	
12 AH Batteries:	Termination: Spade Terminals Size: 151mmL x 98mmH x 102mmD (5.9"L x 3.86"H x 4"D) Weight: 4.3 kg (9.4 lbs.)	
18 AH Batteries:	Termination: Spade Terminals Size: 183mmL x 76mmH x 168mmD (7.2"L x 6.6"H x 3"D) Weight: 6.2 kg (13.6 lbs.)	
33 AH Batteries:	Termination: Nut and Bolt Size: 198mmL x 132mmH x 188mmD (7.8"L x 7.4"H x 5.2"D) Weight: 12.1 kg (26.7 lbs.)	
44 AH Batteries:	Termination: Nut and Bolt Size: 198mmL x 175mmH x 165mmD (7.8"L x 6.9"H x 6.5"D) Weight: 15.9 kg (35 lbs.)	
75 AH Batteries:	Termination: Nut and Bolt Size: 262mmL x 175mmH x 226mmD (10.3"L x 8.9"H x 6.9"D) Weight: 23.6 kg (52 lbs.)	

* Specifications are per each battery; two batteries required for each PSU.

TYPICAL BATTERY CAPACITY CALCULATIONS

EPC Controller E10-0066	PSU Power Supply E10-0067	AM Annunciator E10-0068	RC8 Relay Card E10-0069	Battery Requirement 24 hr with 15% derating*
1	0	0	0	13.7 Ahr
1	1	1	0	17.2 Ahr
1	1	1	1	25.5 Ahr
4	0	0	0	36.4 Ahr
4	1	1	0	40.0 Ahr
4	1	1	1	48.3 Ahr

* Factory Mutual recommends a 15% minimum derating factor for battery back-up systems

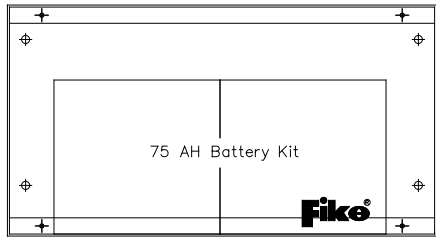
NON-RATED BATTERY ENCLOSURES

(For Nema rated enclosures, see data sheet X.1.07.01)

Fike P/N	Color	Battery Size
10-2154-G	Grey	Up to 33 AH Battery
10-2154-R	Red	
10-2236-G	Grey	Up to 75 AH Battery
10-2236-R	Red	

DIAGRAMS

P/N 10-2136-X



P/N 10-2154-X

