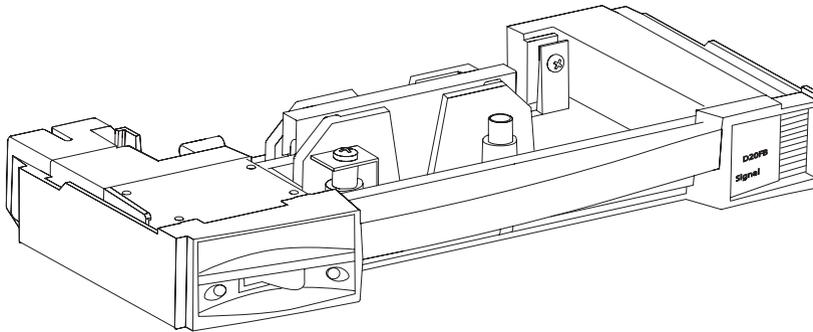




100V 120V

Special Purpose Series



GENERAL INFORMATION

The Fluorescent Battery Module is a single, plug-in dimmer with an additional constant-current output for use in Unison Dimming Series enclosures. The Fluorescent Battery Module provides one circuit of forward-phase angle dimming control for 2-wire dimming ballasts and one non-dimmed power circuit for an integral emergency lighting battery pack located in remote fluorescent lighting fixtures.* Both circuit outputs are controlled under a single breaker for code compliance. The patented design features high-density, modular assembly, fully-magnetic circuit breaker, and electronic low-end set controls.

APPLICATIONS

- For Use in 100-120V Unison DRd enclosures
- 2-wire fixtures with integral emergency battery pack

FEATURES

- One 1.8kW or 2.4kW circuit per module
- Modular assembly
- Die-cast aluminum chassis
- Fully magnetic circuit breakers

GENERAL

- 100,000A Short Circuit Current Rating (SCCR)
- UL and cUL LISTED

*Ballast and battery pack by others

ORDERING INFORMATION

100-120 Volt Fluorescent Battery Dimmer Modules

MODEL	DESCRIPTION
D15FB	Single 15A Fluorescent Battery Dimmer Module
D20FB	Single 20A Fluorescent Battery Dimmer Module

Compatible Systems*

MODEL	DESCRIPTION
DRd6-12-120	100-120V 6 module rack enclosure (12 circuits)
DRd12-24-120	100-120V 12 module rack enclosure (24 circuits)

*Rack enclosures also available for 277 Volt applications



SPECIFICATIONS

GENERAL

- Single density, plug in modules, for use in Unison Dimming Series rack enclosures
- UL and cUL Listed for continuous duty at 100% of rated load
 - D15FB – 1.8kW
 - D20FB – 2.4kW

PHYSICAL

- Modular plug-in assemblies
- Cast aluminum chassis, finished with textured epoxy paint

CIRCUIT BREAKERS

- Fully magnetic to eliminate nuisance tripping
- 20x inrush current rating
- 125%, 10-120 seconds, must-trip rating
- Rated for 100% switching duty applications

ELECTRICAL RATINGS

- 100,000A Short Circuit Current Rating (SCCR)
- Replaceable fuse on both the switched and the dimmed AC circuit for short circuit protection and fault current coordination
- Modules withstand hot-patching of cold loads up to full rating
- UL and cUL LISTED

POWER DEVICE

- Sealed, patented assembly
- Field replaceable with screwdriver
- Two back-to-back SCRs per circuit
- One control LED per circuit
- 4000V isolation between control and power components
- Integral bonded heatsink

DIMMER RANGE

- Incandescent, low voltage dimming range 100-0%
- Dimming range of 2-wire fluorescent ballast is dependent on lamp ballast combination. Contact ETC for range verification

PHYSICAL

Module Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
D15FB	1.5	38	11.8	300	4.9	127
D20FB	1.5	38	11.8	300	4.9	127

Module Weights

MODEL	WEIGHT		SHIPPING WEIGHT	
	lbs	kgs	lbs	kgs
D15FB/D20FB	2.4	1.1	3.3	1.5

Maximum BTU Production per module

MODEL	BTUS	WATTS	EFFICIENCY
D15FB/ D20FB	<10	<4	>99%

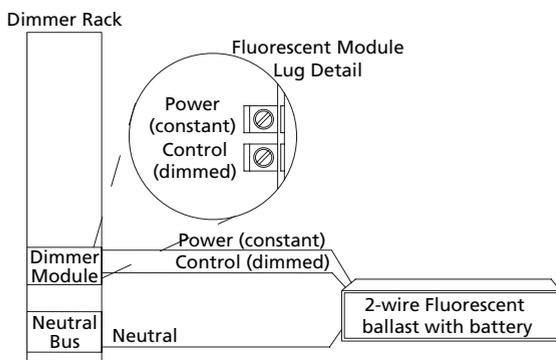
These values should be provided to a qualified HVAC design engineer, along with dimmer quantities, types and dimmer room dimensions, to calculate dimmer room air handling requirements.

Dimmer room HVAC systems must at all times maintain the specified ambient temperature **at the dimmer rack**. Dimming systems operating within 10°F of the upper or lower temperature limits must strictly follow installation and operation guidelines to operate reliably.

SCR Rating

MODULE	D15FB/D20FB
Single cycle peak surge current	625A
Half cycle peak surge current	1620A
Transient over voltage	600V

INSTALLATION WIRING DETAIL



Corporate Headquarters • 3031 Pleasant View Rd, PO Box 620979, Middleton WI 53562 0979 USA • Tel +1 608 831 4116 • Fax +1 608 836 1736
London, UK • Unit 26-28, Victoria Industrial Estate, Victoria Road, London W3 6UU, UK • Tel +44 (0)20 8896 1000 • Fax +44 (0)20 8896 2000
Rome, IT • Via Pieve Torina, 48, 00156 Rome, Italy • Tel +39 (06) 32 111 683 • Fax +44 (0) 20 8752 8486

Holzkirchen, DE • Ohmstrasse 3, 83607 Holzkirchen, Germany • Tel +49 (80 24) 47 00-0 • Fax +49 (80 24) 47 00-3 00

Hong Kong • Room 1801, 18/F, Tower 1 Phase 1, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, Hong Kong • Tel +852 2799 1220 • Fax +852 2799 9325

Web • www.etcconnect.com • Copyright©2011 ETC. All Rights Reserved. All product information and specifications subject to change. 7183L1005 Rev. B USA 06/11

Unison® products protected by one or more of the following: U.S. Patent No. 5,323,088, 6,849,943, and 5,352,958; European Patent No. 0603333; German Patent No. 69203609