

# DMBC320-100ZT-NA

## HF Ballast Controller

Page 1 of 2

The DMBC320-100ZT-NA is designed to provide cost effective control of 0-10V electronic ballasts. It comprises three 0-10V control outputs with current sinking/sourcing capacity of up to 100mA or 100 ballasts per channel. The 0-10V control signals can be programmed to operate in tandem with the three internal switched outputs, which will automatically isolate the power circuit when all associated 0-10V channels are dimmed to 0%. The DMBC320-100ZT-NA is designed to be installed in a NEMA1 approved enclosure or a switchboard near the circuit breakers. It is also DIN rail mountable in an appropriate industrial enclosure.

Eight “dry contact” Class 2 inputs are provided for remote switches.

### Technical data



#### Control circuit supply

120V-277VAC (+10%/-15%)  
50/60Hz  
Single Phase & Neutral  
Input Power: 27 W nominal  
Input Current: 120Vac: max.  
0.31A  
277Vac: max.  
0.15A

#### Relays

Latching type, lighting and resistive load rated.

#### Mains outputs

3 x 16A feed thru switched relay channels for 0-10V ballast mains supply

#### Control outputs

3 x 0-10V Control Outputs, up to 100mA sourcing/sinking current or 100 ballasts each

#### Control inputs

1 x RS485 DyNet serial port  
8 x dry contact inputs (10Vdc, 0.7mA)

#### User controls

Service Switch  
Diagnostic LED  
Manual override switch for each relay

#### Internal controls

Programmable Logic Controller

#### DyNet DC supply

500mA @ 24Vdc

#### Preset scenes

170

#### Supply terminals

Line, Neutral, Earth  
8-24 AWG Cu wire

#### Relay output

3 x 16A feed thru switched relay channels for 0-10V ballast mains supply  
Voltage rating:  
Channel-to-channel: 480Vac  
Channel LN-In to LN-Out: 277Vac  
8-24 AWG Cu wire

#### 0-10V output terminals

3 x 0-10 Control Outputs, Low Voltage  
12-24 AWG Cu wire

#### Compliance

UL/cUL Recognized, ICES, FCC, RoHS Compliant

#### Operating environment

32° to 104°F (0° to 40°C) ambient temp  
0% to 90% RH non-condensing

#### Construction

Lexan 920, UL94-V0

#### Dimensions

H 5.6" x W 9.4" x D 2.0"

#### Weight

Packed weight 2.2lb

### Job Information Type:

Job Name:

Cat. No.:

Notes:

### Load compatibility

| Load Type          | Max Load    |
|--------------------|-------------|
| Electronic Ballast | 16A, 120VAC |
| Electronic Ballast | 16A, 277VAC |

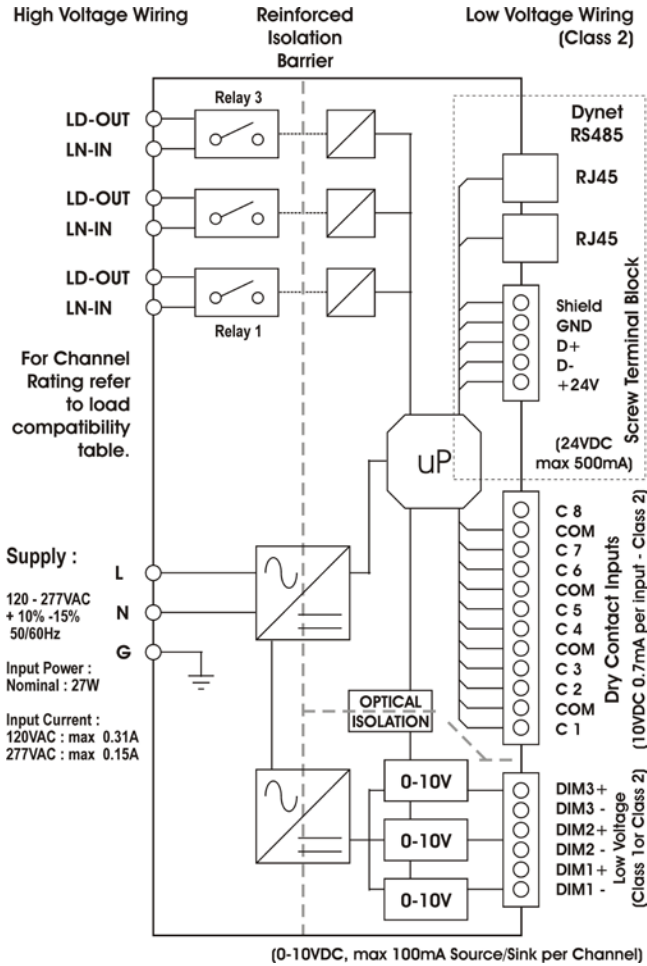
# PHILIPS

sense and simplicity

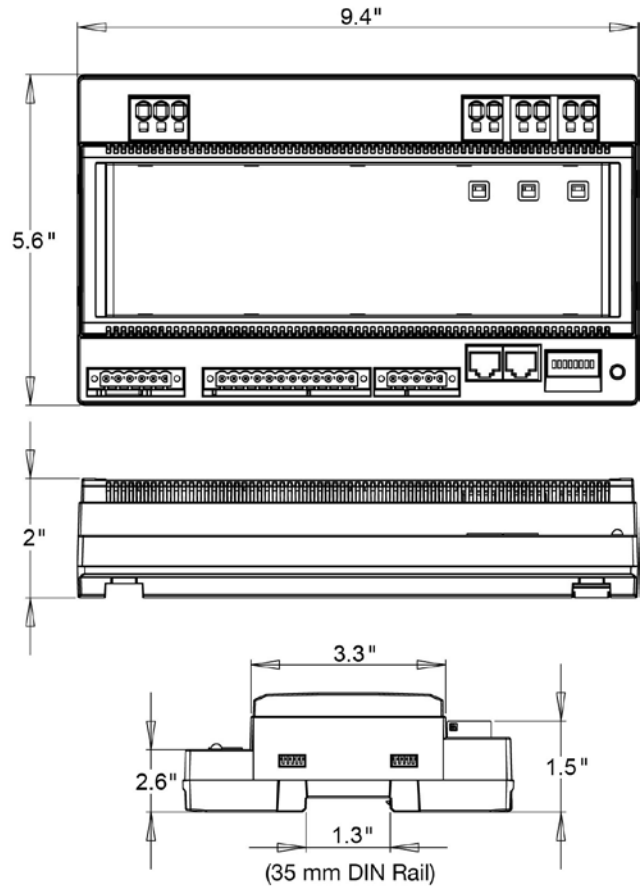
# DMBC320-100ZT-NA

## HF Ballast Controller

### Electrical diagram



### Mounting dimensions



### Ordering information

| Type             | Description              | Quantity |
|------------------|--------------------------|----------|
| DMBC320-100ZT-NA | 0-10V Ballast Controller | 1        |



Philips Controls  
 e: controls.support@philips.com  
 t: 1-800-526-2731  
 w: www.lightolier.com

DMBC320-100ZT-NA March 30, 2011

Specifications are subject to change without notice.  
 © Koninklijke Philips Electronics N.V., 2011. All rights reserved.

**Job Information** Type: