PDM 32 Indicators

All names in this document have the type in capitals as the last characters in the name.

RightIndicatorDI is a digital input.

LeftIndicatorDI is a digital input.

HazzardDI is a Digital input

RightIndO is a low power output.

LeftIndO is a low power output.

RightIndA is an alarm.

LeftIndA is an alarm.

RightIndI is an icon

LeftIndI is an icon.

HassardI is an icon.

For IVA compliance the alarm leds are used

The Digital inputs are all similar and are set up as

Channel Settings ✕

Name	LeftIndicatorDI
Function	Digital Status ▲▼
Sensor	Status
Sampling Frequency	20 Hz

☐ Logged

Active when signal is: ● **close to ground** ○ close to VBatt
☑ **use internal pull up 10kΩ**

○ Momentary ● **Toggle** ○ Multiposition
☐ use as button with pressure time dependent status

Not active [OFF] [0] Active [ON] [1]

Save Cancel

The indicator functions are set in the Math calculation area like this.

Mathematical Channel Settings ✕

Calculated Blinkers Status Channels

Name for Right Blinkers	RightBlinkers
Name for Left Blinkers	LeftBlinkers
Name for Hazard	HazardBlinkers
Sampling Frequency	50 Hz

Blinkers and Hazard Parameters

Right Blinkers

Activation Channel	RightIndicatorDI ⬍
Feedback Channel	RightIndOStatus ⬍

Left Blinkers

Activation Channel	LeftIndicatorDI ⬍
Feddback Channel	LeftIndOStatus ⬍

Hazard Blinkers

Activation Channel	HazzardDI ⬍

Save   Cancel

The power outputs are set up like this

Low Power Out 1 on **Black Connector (35 Pin Male) Pin: 14;**

Name : `LeftIndO` Store values ☐ at Frequency `10 Hz` ⇕

Settings Related Channels

⦿ Continuous ○ PWM ○ Square Wave

☐ Soft Start in a time of `1` sec

☐ Soft Stop in a time of `1` sec

Maximum Value of Requested Load (up to 10.0 A) `10` A
Over Current Latch-Off Time `0.5` sec
Number of Retries `1`
Retry Delay `0.5` sec
Minimum Current `0` A
Check Open Load in Off State ☐

← Same condition for activation and deactivation ⇕

Set status to `ON` when following condition is verified for at least `0` sec
Set status to `OFF` when following condition is not verified for at least `0` sec

LeftBlinkers equal to 1 # immediately **Add**

You can also have alarms to cause Street Icons to flash

Alarm Settings — ☐ ✕

Name `RightIndicatorA`

Store values ☐ at Frequency `10 Hz` ⇕

← Same condition for activation and deactivation ⇕

Set status to `ON` when following condition is verified for at least `0` sec
Set status to `OFF` when following condition is not verified for at least `0` sec

RightBlinkers equal to 1 # immediately **Add**

when active execute the following action(s)

Alarm actions in PDM32				
LED 6 ⇕	continuously	⇕	🟢 Green ⇕	⊞

Until: 🔴 condition no longer met ⇕

Save **Cancel**

Icons can be used on some displays to show when the indicators are working.

Icon names	Images	
Hazzardl	⚠	⚠
LeftIndicl	←	←
RightIndl	➡	➡

Add New Icon	still available icons: 120

Manage Icon   ✕

Name   [Hazzardl   ]

Show Icon when

| ⚠ | HazardBlinkers ⏶⏷ | ⏺=▬ equal to ⏶⏷ | # | [1   ] | ⎘+ | ⏫ priority |

else show:

⚠

[Save]   [Cancel]

Preview Area