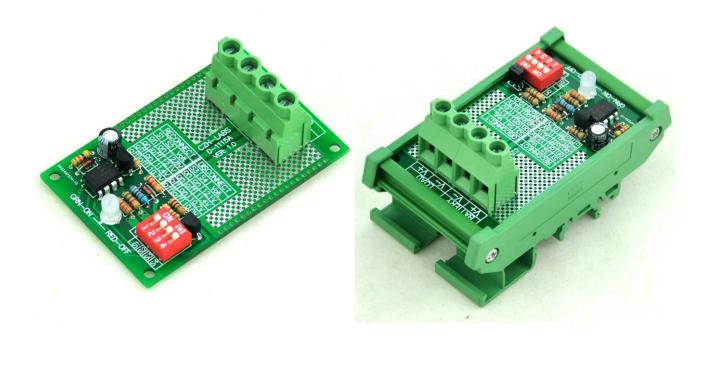
Page 2~4, D-1115A/B series, 12/24V 30A Page 5~7, D-1115C/D series, 36/48V 30A Page 8~10, D-1116A/B series, 12/24V 80A Page 11~13, D-1116C/D series, 36/48V 80A

Automatic Low Voltage Disconnect Module (LVD) Based on Microcontroller and MOSFET

Model: D-1115A series, 12V 30A version D-1115B series, 24V 30A version



Applications include:

Solar systems,
Alarm systems,
UPS systems,
Mobile systems,
Or any application where you need to protect the battery from total discharge

Features:

Programmable voltage setting for Disconnect and Reconnect.

Red-green LED indication for relay switch ON and OFF.

When the battery voltage drops to \leq Disconnect value and continuously held for 10 seconds, load switch will OFF. when the battery voltage rise to \geq Reconnect value and continuously held for 10 seconds, load switch will return to ON state. this will better prevent malfunction.

Panel mount or DIN rail mount types selectable. DIN rail mount version can support width 35 / 32 / 15mm rails.

Version:

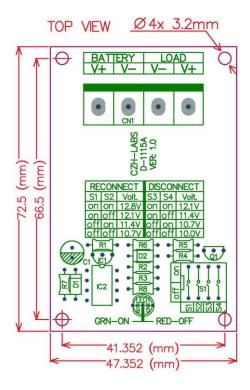
Version	Mount Type	Suitable Battery	Rated Current
D-1115A/30A	Panel mount	401/	12V
D-1115AT/30A	DIN rail mount	12V	
D-1115B/30A	Panel mount	241/	
D-1115BT/30A	DIN rail mount	24V	

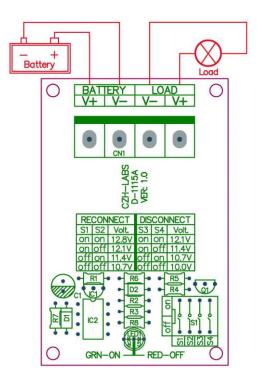
	D-1115A Series (12V)	D-1115B Series (24V)
Operating voltage	6 ~ 18 Vdc	10 ~ 32 Vdc
Rated current	10A / 20A / 30A	10A / 20A / 30A
Quiescent current (Load switch off)	1.8 ~ 2.2mA	

Quiescent current (Load switch on)	9.5 ~ 10.5mA		
Disconnect voltage	10.0, 10.7, 11.4, 12.1 Vdc 20.0, 21.4, 22.8, 24.2 Vd Programmable Programmable		
Reconnect voltage	10.7, 11.4, 12.1, 12.8 Vdc Programmable	21.4, 22.8, 24.2, 25.6 Vdc Programmable	
Default setting Disconnect/Reconnect	10.0Vdc / 11.4Vdc	20.0Vdc / 22.8Vdc	
Disconnect/Reconnect Voltage Tolerance	+/- 0.1Vdc (max.)	+/- 0.1Vdc (max.)	
Load Switch ON Status Resistance	1.7 milliohm (0.0017 ohm)		
Disconnect/Reconnect LED state	Red / Green		
Terminal block wire	26~10AWG, 5.26mm ²		
Panel Mount Size	72.5mm x 47.35mm x 25mm (L x W x H)		
DIN Rail Mount Size	87mm x 50mm x 48mm (L x W x H)		

- 1, Setting disconnect and reconnect values, reconnect value must more than disconnect value.
- 2, Do not reverse connect battery polarity, otherwise it will damage battery or the module.

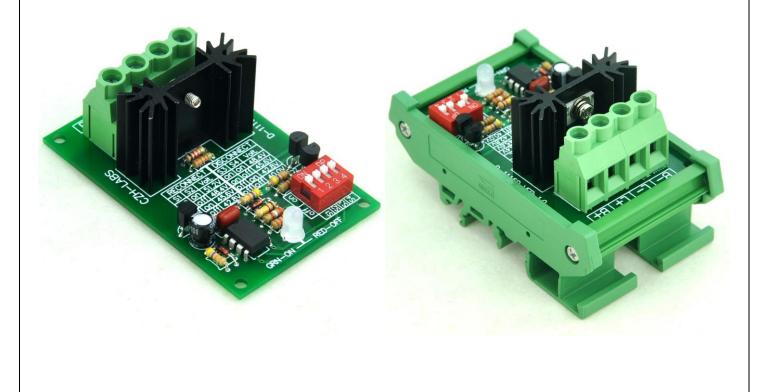
PCB Mount Dimensions and Terminal Block Connect:





Automatic Low Voltage Disconnect Module (LVD) Based on Microcontroller and MOSFET

Model: D-1115C series (36V, 30A version) D-1115D series (48V, 30A version)



Applications include:

Features:

Programmable voltage setting for Disconnect and Reconnect.

Red-green LED indication for relay switch ON and OFF.

When the battery voltage drops to \leq Disconnect value and continuously held for 10 seconds, load switch will OFF. when the battery voltage rise to \geq Reconnect value and continuously held for 10 seconds, load switch will return to ON state. this will better prevent malfunction.

Panel mount or DIN rail mount types selectable. DIN rail mount version can support width 35 / 32 / 15mm rails.

Version:

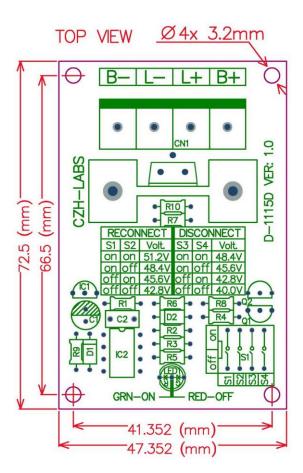
Version	Mount Type	Suitable Battery	Rated Current
D-1115C	Panel mount	201/	
D-1115CT	DIN rail mount	36V	30A
D-1115D	Panel mount	48V	
D-1115DT	DIN rail mount	40 V	

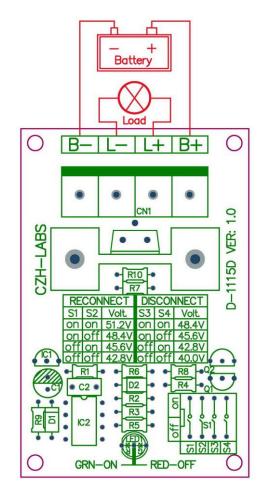
	D-1115C Series (36V)	D-1115D Series (48V)	
Operating voltage	13 ~ 48 Vdc	18 ~ 60 Vdc	
Rated current	3	0A	
Quiescent current (Load switch off)	1.8 ~ 2.2mA		
Quiescent current	6.5 ~ 7.5mA		
(Load switch on)			
Disconnect voltage	30.0, 32.1, 34.2, 36.3 Vdc Programmable	40.0, 42.8, 45.6, 48.4 Vdc Programmable	
Reconnect voltage	32.1, 34.2, 36.3, 38.4 Vdc Programmable	42.8, 45.6, 48.4, 51.2 Vdc Programmable	

Default setting	30.0Vdc / 34.2Vdc	40.0Vdc / 45.6Vdc	
Disconnect/Reconnect	30.0VdC/ 34.2VdC		
Disconnect/Reconnect	+/- 0.2Vdc (max.)	+/- 0.2Vdc (max.)	
Voltage Tolerance	+/- 0.2 vuc (max.)		
Load Switch ON	3 milliohm (0.003 ohm)		
Status Resistance			
Disconnect/Reconnect	Red / Green		
LED state			
Terminal block wire	26~10AWG, 5.26mm ²		
Panel Mount Size	72.5mm x 47.35mm x 28mm (L x W x H)		
DIN Rail Mount Size	87mm x 50mm x 51mm (L x W x H)		

- 1, Setting disconnect and reconnect values, reconnect value must more than disconnect value.
- 2, Do not reverse connect battery polarity, otherwise it will damage battery or the module.

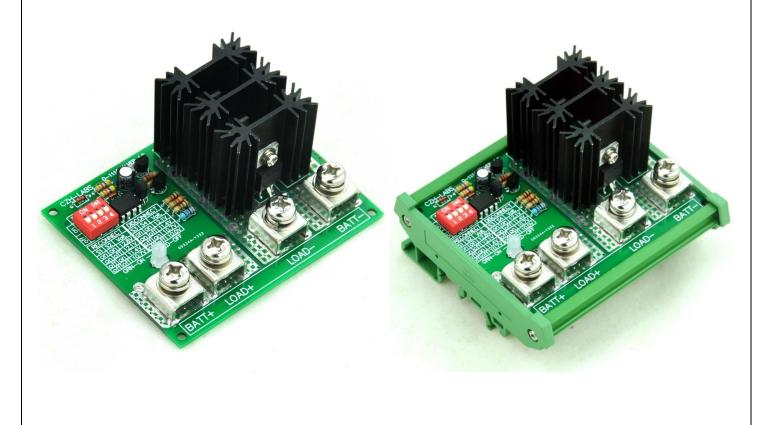
PCB Mount Dimensions and Terminal Block Connect:





Automatic Low Voltage Disconnect Module (LVD) Based on Microcontroller and MOSFET

Model: D-1116A, 12V 80A version. D-1116B, 24V 80A version.



Applications include:

Solar systems, Alarm systems, UPS systems, Mobile systems, Or any application where you need to protect the battery from total discharge.

Features:

Programmable voltage setting for Disconnect and Reconnect.

Red-green LED indication for relay switch ON and OFF.

When the battery voltage drops to \leq Disconnect value and continuously held for 10 seconds, load switch will OFF. when the battery voltage rise to \geq Reconnect value and continuously held for 10 seconds, load switch will return to ON state. this will better prevent malfunction.

Panel mount or DIN rail mount types selectable. DIN rail mount version can support width 35 / 32 / 15mm rails.

Version:

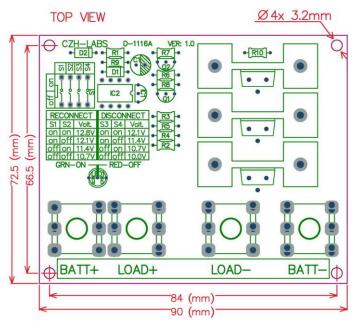
Version	Mount Type	Suitable Battery	Rated Current
D-1116A	Donal maunt	12V	
D-1116B	Panel mount	24V	80.4
D-1116AT	DIN Rail Mount	12V	80A
D-1116BT	Din Kali Mount	24V	

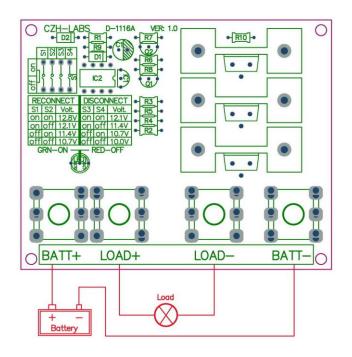
	D-1116A (12V)	D-1116B (24V)	
Operating voltage	6 ~ 18 Vdc	10 ~ 32 Vdc	
Rated current	80	A	
Quiescent current	4.0		
(Load switch off)	1.8 ~ 2.2mA		
Quiescent current	10 ~ 11mA		
(Load switch on)			
Disconnect voltage	10.0, 10.7, 11.4, 12.1 Vdc	20.0, 21.4, 22.8, 24.2 Vdc	
Disconnect voltage	Programmable	Programmable	
December 4 voltage	10.7, 11.4, 12.1, 12.8 Vdc	21.4, 22.8, 24.2, 25.6 Vdc	
Reconnect voltage	Programmable	Programmable	
Default setting			
Disconnect/Reconnect	10.0Vdc / 11.4Vdc	20.0Vdc / 22.8Vdc	
Disconnect/Reconnect	+/- 0.1Vdc (max.)		
Voltage Tolerance			

Load Switch ON	(1.5 milliohm (0.0015 ohm)	
Status Resistance	< 1.5 milliohm (0.0015 ohm)	
Disconnect/Reconnect	Red / Green	
LED state	Ked / Green	
Connector Terminal	M6 Screws, thread diameter 6mm, you can connect Metric M6 or USA 1/4 (inside diameter) ring crimp terminal.	
Connector Terminal		
Panel Mount Size	72.5mm x 90mm x 40mm (L x W x H)	
DIN Rail Mount Size	87mm x 93mm x 62mm (L x W x H)	

- 1, Setting disconnect and reconnect values, reconnect value must more than disconnect value.
- 2, Do not reverse connect battery polarity, otherwise it will damage battery or the module.

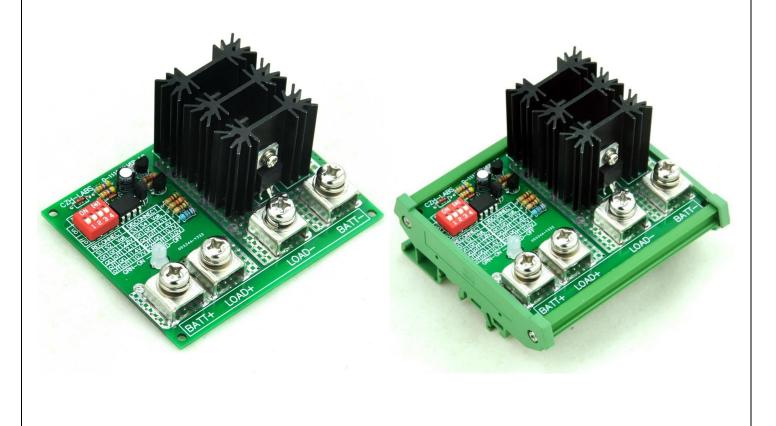
PCB Mount Dimensions and Terminal Connect:





Automatic Low Voltage Disconnect Module (LVD) Based on Microcontroller and MOSFET

Model: D-1116C, 36V 80A version. D-1116D, 48V 80A version.



Applications include:

Solar systems, Alarm systems, UPS systems, Mobile systems, Or any application where you need to protect the battery from total discharge.

Features:

Programmable voltage setting for Disconnect and Reconnect.

Red-green LED indication for relay switch ON and OFF.

When the battery voltage drops to \leq Disconnect value and continuously held for 10 seconds, load switch will OFF. when the battery voltage rise to \geq Reconnect value and continuously held for 10 seconds, load switch will return to ON state. this will better prevent malfunction.

Panel mount or DIN rail mount types selectable. DIN rail mount version can support width 35 / 32 / 15mm rails.

Version:

Version	Mount Type	Suitable Battery	Rated Current
D-1116C	Denelment	36V	
D-1116D	Panel mount	48V	80.4
D-1116CT	DIN Deil Mount	36V	80A
D-1116DT	DIN Rail Mount	48V	

	D-1116C (36V)	D-1116D (48V)
Operating voltage	13 ~ 48 Vdc	18 ~ 60 Vdc
Rated current	80A	
Quiescent current	1.8 ~ 2.2mA	
(Load switch off)		
Quiescent current	6.5 ~ 7.5mA	
(Load switch on)		
Disconnect voltage	30.0, 32.1, 34.2, 36.3 Vdc	40.0, 42.8, 45.6, 48.4 Vdc
	Programmable	Programmable
Reconnect voltage	32.1, 34.2, 36.3, 38.4 Vdc	42.8, 45.6, 48.4, 51.2 Vdc
	Programmable	Programmable
Default setting	30.0Vdc / 34.2Vdc	40.0Vdc / 45.6Vdc
Disconnect/Reconnect		
Disconnect/Reconnect	+/- 0.2Vdc (max.)	
Voltage Tolerance		

Load Switch ON	< 1.5 milliohm (0.0015 ohm)	
Status Resistance		
Disconnect/Reconnect	Red / Green	
LED state		
Connector Terminal	M6 Screws, thread diameter 6mm, you can connect Metric M6 or USA 1/4	
	(inside diameter) ring crimp terminal.	
Panel Mount Size	72.5mm x 90mm x 40mm (L x W x H)	
DIN Rail Mount Size	87mm x 93mm x 62mm (L x W x H)	

- 1, Setting disconnect and reconnect values, reconnect value must more than disconnect value.
- 2, Do not reverse connect battery polarity, otherwise it will damage battery or the module.

PCB Mount Dimensions and Terminal Connect:

