

INSTALLATION INSTRUCTIONS FOR OCS D1	Rated Current Input of 5A or 1A can be selected	TECHNICAL SPECIFICATIONS OF OCS D1	TESTING PROCEDURE
INTRODUCTION	via terminals (1 & 2) or (1 & 3) respectively. So	1 Auviliant Sunha	
	external CT's should have a secondary current	1. Auxiliary Suply :	
's the Company's pleasure to enlist you as one	rating of 5A or 1A. Select external Ct's to be	110/220/230/240/380/415 VAC, ± 20%	
f our esteemed customers. Thank you	installed in the system after considering fault		(START)
r selecting & purchasing MINILEC make OVER	current levels expected in the system circuit.	2. Rated Current Input : 5A / 1A	
URRENT RELAY (Single Phase) OCS D1.	When the power is applied to the unit, the relay	(Selection via. terminals)	Wait Till Sys. suppl
( <b>č</b> ,	energises immediately ignoring abnormal load	Terminal 1 & 2 : Current Input 5A	▼ Normalises
he following installation instructions would	conditions experienced during start up. (For	Terminal 1 & 3 : Current Input 1A	See Indications
uide you in installing your single over	Fixed Power ON Delay)		
urrent relay OCS D1 & making the best use		3. Frequency : 50/60 H, ± 3%	No No
fit.	The unit operates in Auto mode only.		
		4. Power Consumption : 30VA	
DCS D1 operates on current sensing principle and	Auto Mode Operation :- The unit is provided		
s used in single phase system supply where over	with factory set hysteresis (Reset Gap) of 5%	5. Output Relay Contact : 1 CO	indication on No Check within the
urrent protection or monitoring is required.	±1% w. r. t. set current.		(i.e. relay on)
· · · · · · · · · · · · · · · · · · ·		6. Output Contact Rating :	For FIXED Supply tolerance
	When the fault condition occurs, the relay trips.	5 A, 240 VAC (Resistive)	Power ON limit?
MOUNTING	When the current input returns within the set		Delay?
our OCS D1 can be RAIL mounted or PANEL	limit of OC, the unit reset automatically and	7. Life Expectancy :	
	regains its healthy condition. (Refer Fig. 1B)	$0.5 \times 10^6$ operations at 100% rating	Ver Ver
nounted. (See Fig. 4A for mounting on and Fig. B for releasing from DIN RAIL Also see Fig. 5	· · · · · ·		Yes
or PANEL mounting & Drilling Details		8. OC Trip Setting :	
			ls
Dimensions).		50% to 140% of rated Current Input (variable)	
		0.0.10	(Consult
CAUTION		9. Set Accuracy :	Indication on No Minilec
		± 5% w. r. t. Current Input of 100%	ON Delay
Ensure that your OCS D1 is -			elasped?
Not installed near any heat sources like		10. Trip Time Delay :	No
burner, sunlight, electric arc etc.		1 Sec. to 10 Sec. (Adjustable)	
Not subjected to abnormal vibrations.			Yes I Is OC
Not subjected to direct rains, stormy wind		11. Power on Delay :	Indication
and dust.		3.5 Sec.± 1.5 Sec. (Fixed) REF. NOTE 01	
<ul> <li>Installed as near to the starter as possible.</li> </ul>			Healthy Condition
		12. REST : Auto	Exists
ELECTRICAL CONNECTIONS OF OCS D1		13. RESET GAP :	Yes
		5% ± 1% w.r.t. set current (fixed)	│ │ │ └ └ └ └ └ └ └ └ └ └ └ └ └ └ └ └ └
ee Fig. 3 for electrical connection details of			Healthy Condition Over Frequency
OCSD1.		14. Indications :	Exists Condition Exists
		ON (Green) - Relay ON	
ee Fig. 2A & 2B for power and control wiring.		OC (Red) - Over Current TRIP	
			Consult Minilec
ux. supply must be as marked on front cover		15. Current Sensor : Inbuilt (1 Amp & 5Amp)	
late. The output relay contacts 13 & 14 are to		Above 5A, EXT CT of 5Amp or 1 Amp	
e connected in series with the no - volt coil of		secondary to be used.	
e contractor.			
		16. Operating Conditions :	Relay No Current Input
FUNCTIONING		Temperature :5° C to 60° C	No becomes higher than
		Humidity :- Upto 95% R. H.	
he unit is provided with settable OC Trip			Wait till setting?
ettings, TRIP Time delay.		17 Enclosure : ADS	
		17. Enclosure : ABS	Healthy Consult
		40 Dimensions (mm)	Minilec Condition
<u>NOTE : 01</u>		18. Dimensions (mm) :	exists
		Overall : 76 x 30.5 x 117.5	
		Mounting : 68 (Centre to Centre)	
AL POWER DELAT IS APPLICABLE WHEN	CURRENT IS FLOWING THROUGH LOAD.		OCS D1 operation is perfect.
		19. Weight (Approx.): 350 gms.	Install it forpermanent use