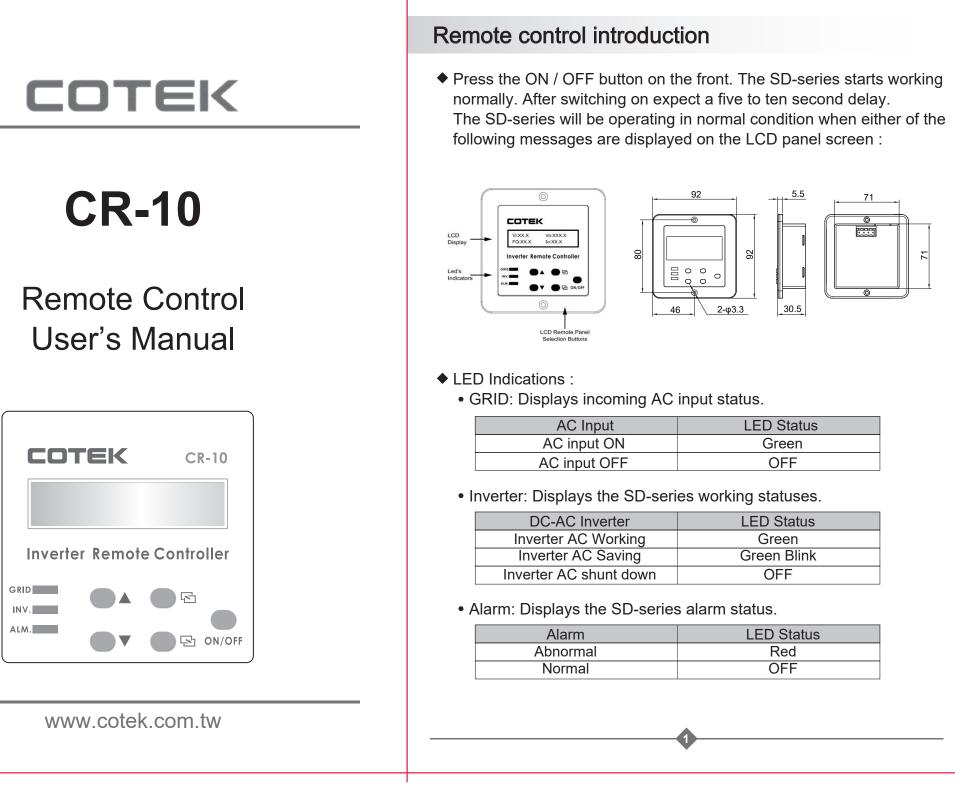
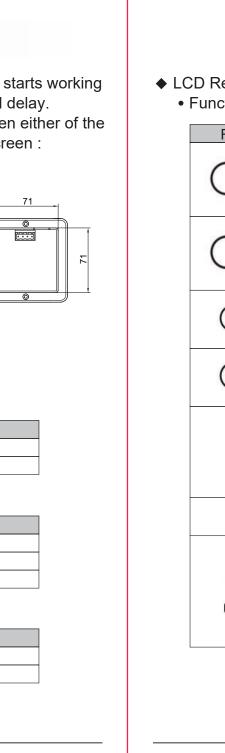
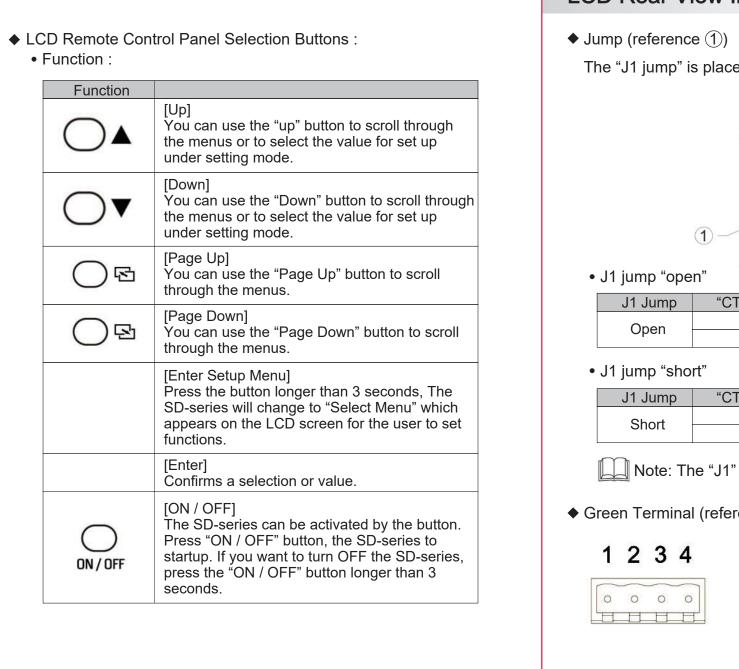


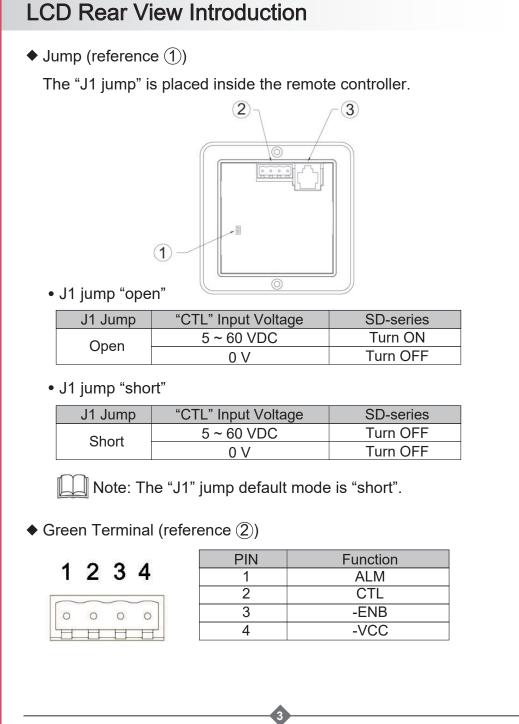
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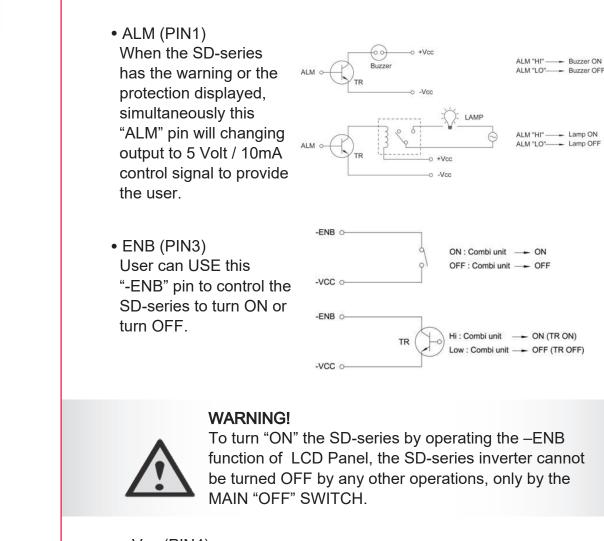
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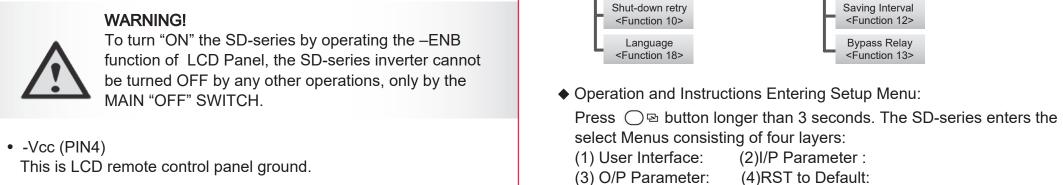






ALM-Battery is common ground.

◆ RJ-45 port, connect to inverter(reference ③)



◆ Select Menu Heading: The manual is used to show the status of the running SD-series. The user can make selections by switching on ○▲ <UP> or → <DOWN>.

Power Switch ON

INVERTER

Initialization..

Vi=xx.xxVo=xxx.x

FQ=xx.x lo=xx.x

I/P Parameter

OVP Recovery

<Function 1>

<Function 2>

UV Alarm

O/P Parameter

O/P Voltage <Function 5>

O/P Frequency

<Function 7>

Sync Frequency

<Function 8>

<Function 9>

Saving Interval Function 12

Bypass Relay

Display tree:

User Interface

<Function 14>

LCD Auto-off

<Function 15>

RS232 Baudrate

<Function 6>

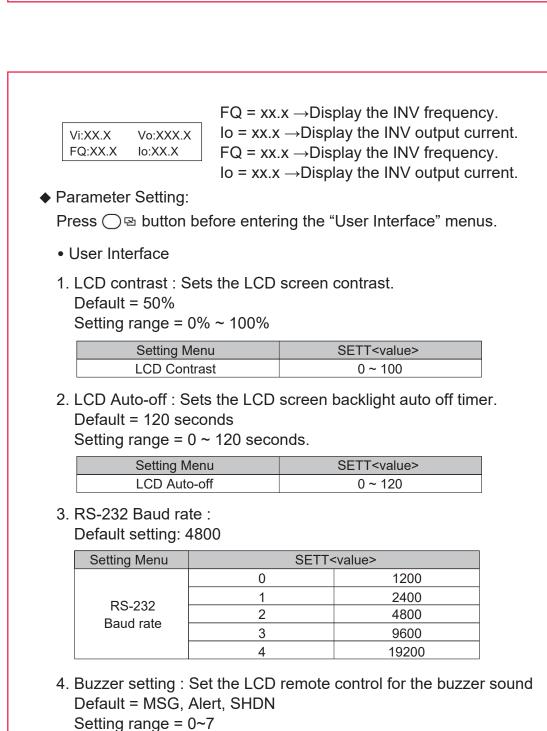
Buzzer Setting

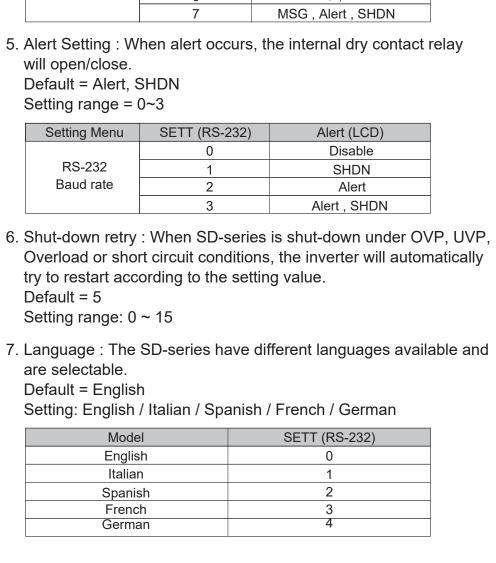
<Function 16>

Alert Setting

<Function 17>

Madal SETT





Setting Menu	SETT(RS-232)	Buzzer(Beep sound)
	0	Disable
	1	SHDN
	2	Alert
Buzzer	3	Alert , SHDN
Setting	4	MSG
	5	MSG , SHDN
	6	MSG , Alert
	7	MSG , Alert , SHDN

2. OVP Recovery: When the DC input voltage is higher than the OVP setting, the SD-series shuts-down; once the input voltage falls below the set OVP value, the SD-series will automatically restart. Default = 15 VDC @ 12V Model, 30 VDC @ 24V Model.

I/P Parameter

60 VDC @ 48V Model		
Model	Setting value range	
12V	13 VDC ~ 15 VDC	
24V	26 VDC ~ 30 VDC	
48V	52 VDC ~ 60 VDC	

1. OVP Setting: Set the Over Voltage Protection (OVP) and shutdown.

Setting value range

15 VDC ~ 16 VDC

60 VDC ~ 64 VDC

Default = 16 VDC @ 12V Model, 32 VDC @ 24V Model.

64 VDC @ 48V Model

3. UVP Setting: Setting Under Voltage Protection (UVP) and Shut-down on the inverter operation. Default= 10 VDC@ 12V Model, 20 VDC @ 24V Model. 40VDC @ 48V Model

40 V DO W 40 V IVIOGEI		
Model	Setting value range	
12V	10 VDC ~ 12.5 VDC	
24V	20 VDC ~ 25VDC	
48V	40 VDC ~ 50 VDC	

4. UVP Recovery: When the DC input voltage is below the set UVP value, the SD-series shuts-down; Once the input voltage rises above the set UVP value, the SD-series will automatically restart. Default= 12.5VDC @ 12V Model, 25 VDC @ 24V Model.

50VDC @ 48V Model		
Model	Setting value range	
12V	11.5 VDC ~ 13.5 VDC	
24V	23 VDC ~ 27 VDC	
48V	46 VDC ~ 54 VDC	
8		

5. UV Alarm : Setting Under Voltage (UV) alarm. When the input voltage is lower than the set value, the SD-series will sound a "beep" to remind you that the unit is going to shut-down. In the meantime, the contact in the internal Dry Contact Relay will open / close.

Default= 10.5 VDC @ 12 V Model, 21 VDC @ 24 V Model. 40 VDC @ 40 V Madal

42 VDC @ 48 V Model		
Model	Setting value range	
12V	10.5 VDC ~ 13 VDC	
24V	21 VDC ~ 26 VDC	
48V	42 VDC ~ 52 VDC	

NOTE:
The value of the voltage set for the "UV Alarm" should be equal to or higher than the value set for "UVP" or else the unit will shut-down without any audible warning.

O/P Parameter

1. O/P Voltage: Setting the SD-series output voltage on the inverter operation

Default= 110 VAC @110 V Model, 230 VAC @ 230 V Model Setting value range

D/P Frequency: Setting the SD-series output frequency on the	
nverter operation.	
Default= 60 Hz @ 110 V Model, 50 Hz @ 230 V Model.	

97 VAC ~ 123 VAC

194 VAC ~ 246 VAC

Setting value range

47 Hz ~ 63 Hz

47 Hz ~ 63 Hz

3. Sync Frequency: If a generator is distorted. The output waveform (too low frequency) is used as AC source, the allowed frequency window for the incoming AC power can be enlarged.

Example1: AC input = 230 VAC / 50Hz, User setting Value= 7Hz When the SD-series "Output frequency" is within The Range of 43 Hz~57 Hz, the internal transfer relay will close. When the output frequency is less than 43 Hz or more than 57 Hz, the internal transfer relay will still

Example2: When user setting value= Disable, the SD-series "Output frequency" is within the range of 47 Hz~63 Hz, the internal transfer relay will close. Default= 7Hz

4. Overload Alarm: Set the overload alarm. When the SD-series output power is higher than the set value, the SD-series will sound a "beep" to remind you that the unit is going to shut-down. At the same time, the internal Dry Contact Relay will open/close. Default= 102% Setting range= 50%~110%

5. Saving Level: Setting the SD-series to power saving to reduce consumption from the batteries. Default = 0

Setting range = $3 \sim 7$

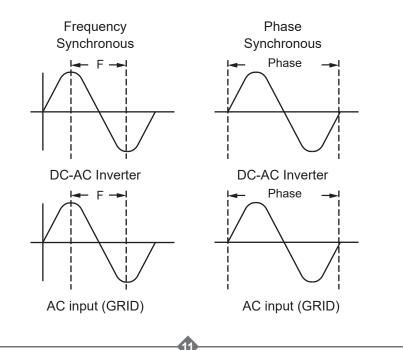
Setting Value	Status
0	Default
3	4%
4	5%
5	6%
6	7%
7	8%

6. Saving Interval: When SD-series inverter enters power saving mode, it will detect AC Load periodically. Default = 2.0 Seconds Setting range = 1.0S ~ 2.0S

If the AC Load is 3 times higher than Saving Level, inverter will recover and output normally to AC Load.

7. Bypass Relay: The setup is provided in one of the following two On-line Mode or Off-line Mode (Exacting, Normal, Haphazard). Default= Normal (Off line).

Model	<value></value>	Setting value range
Haphazard	0	The transfer relay will switch "ON" or "OFF". Conformance to, phase and frequency synchronization will not be considered.
Normal	1	The transfer relay will be "ON" if AC input (Grid) power is available. The DC-AC inverter will remain synchronized and Phase with the incoming AC power (Grid). The relay will NOT switch off if the grid frequency is beyond the range set under Sync Frequency window.
Exacting	2	The transfer relay will switch "ON" or "OFF" based on conformance to, the Phase and Sync Frequency.
On-line	3	Always supplied by battery until which has run down (UVP) then switch to grid.
;	Frequency Synchronou	s Synchronous



尺寸/印刷:891mm x 210mm,每頁均為A5 size/雙面印刷

摺頁方式:M字摺,如右圖

