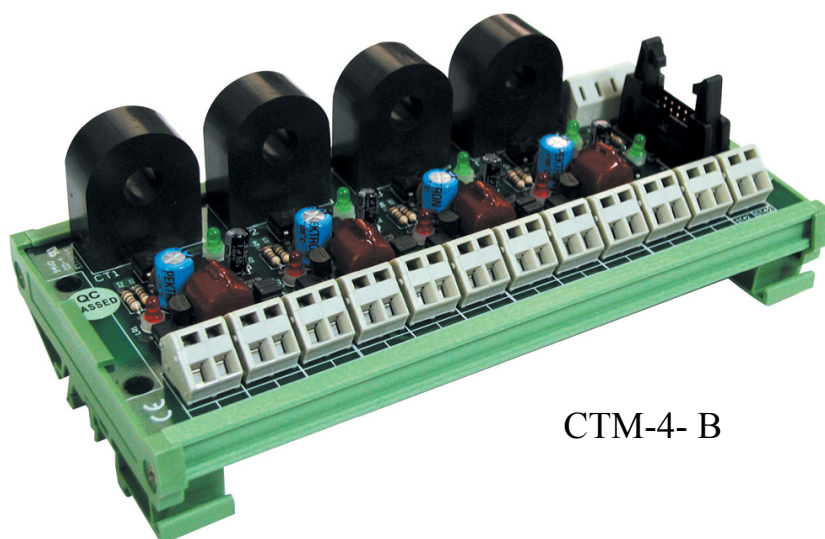


CTM MODULES



CTM-4- B

Economy CTM MODULE

Model	CT Q'ty	Detected range	Dimension LxWxHmm	Pack.-unit	Weight
CTM-4-B	4	0.1A~40A	173x85x58.5	1	240g
CTM-4	4	0.1A~40A	170x72x55.5	1	170g

Standard CTM MODULE

Model	CT Q'ty	Detected range	Dimension LxWxHmm	Pack.-unit	Weight
CTM-4-VR-B	4	0.1A~40A	173x85x58.5	1	240g
CTM-4-VR	4	0.1A~40A	170x72x55.5	1	170g

Precise CTM MODULE

Model	CT Q'ty	Detected range	Dimension LxWxHmm	Pack.-unit	Weight
CTM-4-S-5A-B	4	0.5A~5A	165x121x58.5	1	285g
CTM-4-S-10A-B	4	5.5A~10A	165x121x58.5	1	285g
CTM-4-S-5A	4	0.5A~5A	162x107x55.5	1	200g
CTM-4-S-10A	4	5.5A~10A	162x107x55.5	1	200g

Switching SPM MODULE

Model	CT Q'ty	Detected range	Dimension LxWxHmm	Pack.-unit	Weight
SPM-5-5-B	AC 85~265V	DC 5V 500mA	53x121x48.5	1	100g
SPM-5-5	AC 85~265V	DC 5V 500mA	50x107x45.5	1	65g

Features :

- * To detect current flow through the wires.
- * Wide detection range : 0.1A ~ 40A
- * Green LED indications to show start monitoring status.
- * RED LED indications to show presence of current flow.
- * Able to synchronise control with temperature controller.

INPUT SIDE:

Working voltage rating	5V
Working current rating	55mA

START SIDE:

Working voltage rating	AC 100~250V/DC 24V
Working current rating	6mA ~ 10mA / 10mA

OUTPUT SIDE:

	Open collect
Max. voltage rating	24 VDC
Max. load current	50mA
Response time	Less than 1.5S

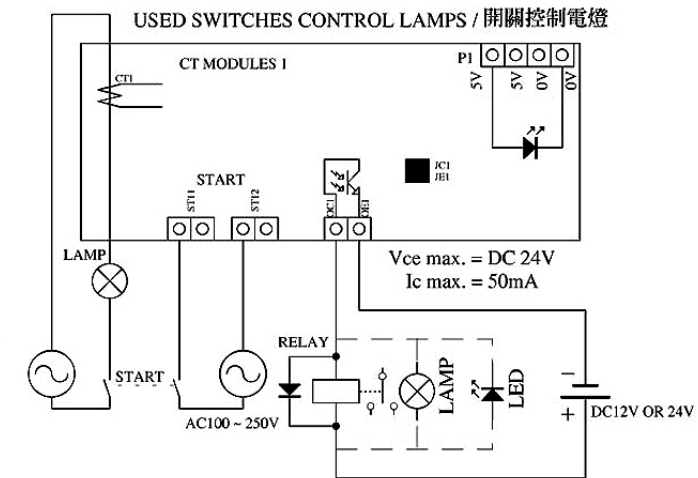
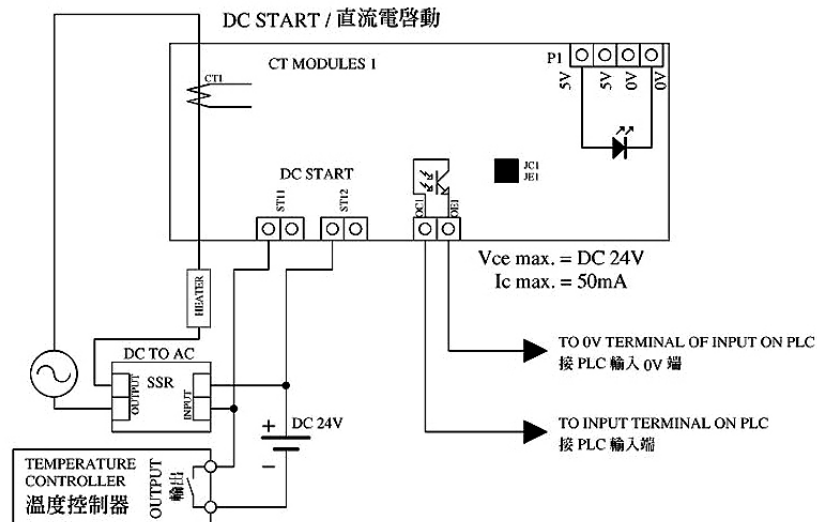
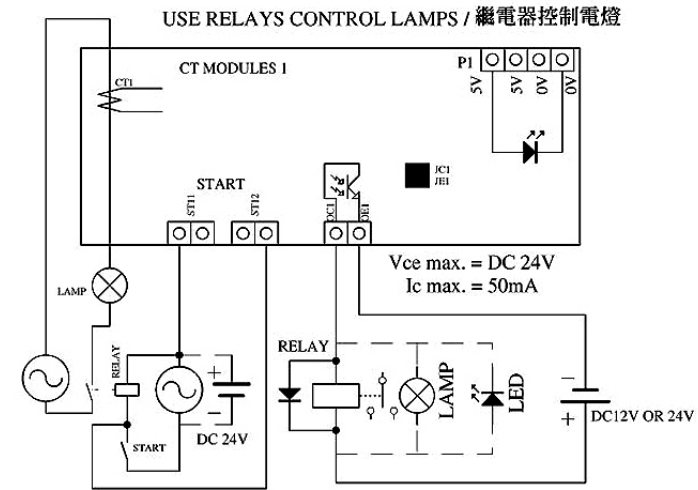
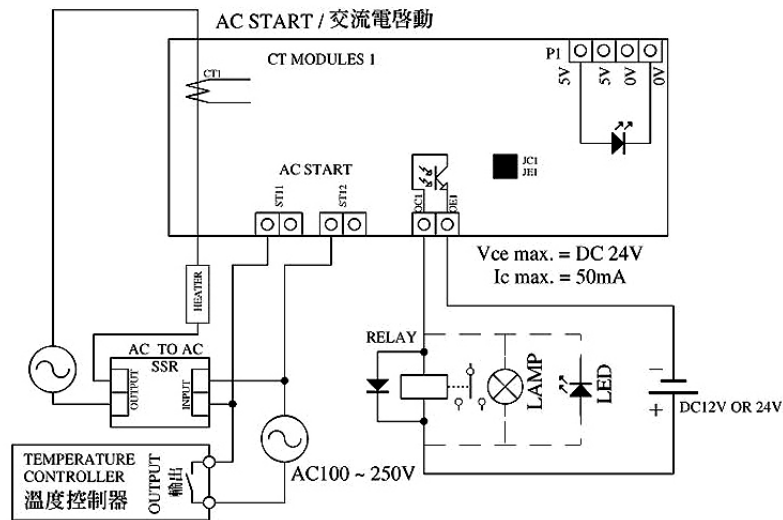
GENERAL RATING:

Operation frequency	50/60 Hz
Tolerance	±5%
Operation temperature	-10°C ~ +55°C
Operation humidity	45~85% RH

Switching power specification:

	SPM-5-5-B
AC input voltage range	85 ~ 265V, 47~63Hz
Output	DC5V, ±3%, 500mA
R& N	80mV

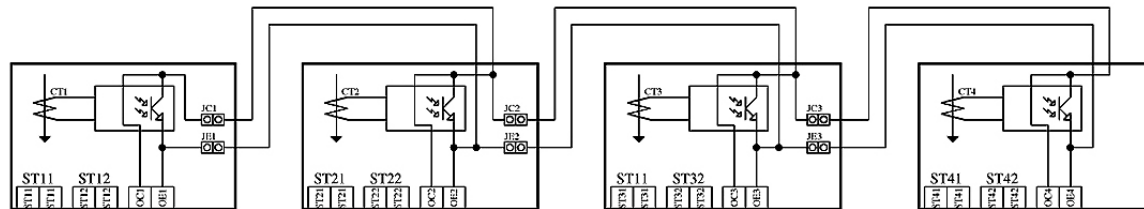
Application 應用



CTM-4

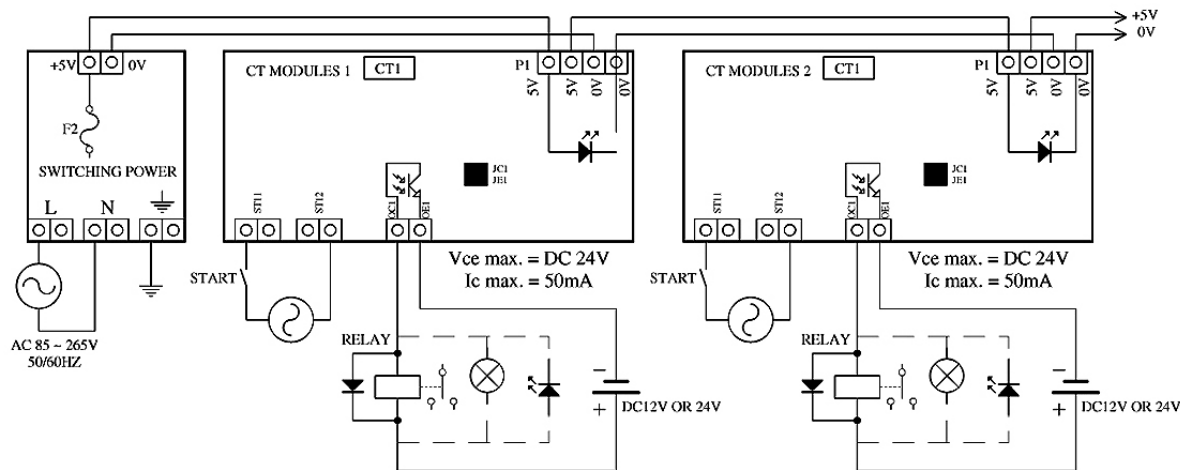
- GREEN LED L0 INDICATED IF DC5V WAS ON 5V TERMINAL.
- GREEN LED LG INDICATED IF SATRT SIGNAL INPUTTED TO STX1 AND STX2 TERMINALS.
- RED LED LR INDICATED AND PHOTO TRANSISTOR OCX AND OEX WAS ON IF CURRENTS DIDN'T GO THROUGH CT .

- DC +5V 接在 5V 輸入端時, 綠色 LED L0 點亮。
- 啓動信號 接在 STX1 與STX2 端時, 綠色 LED LG 點亮。
- 當無電流通過CT時, 紅色 LED LR 點亮並且光電晶體 OCX 與 OEX 導通。

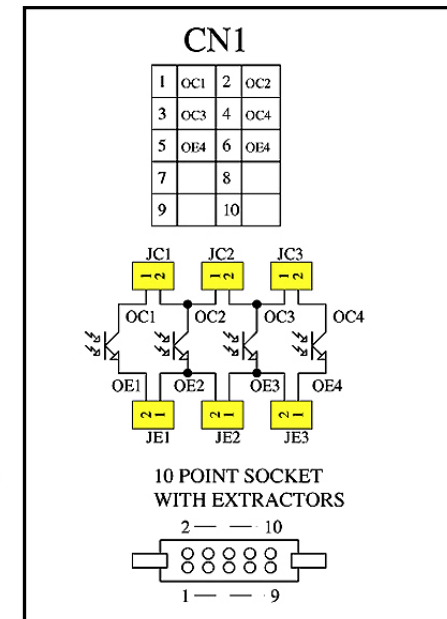


CURRENT / 電流 RANGE / 範圍	Direction / 使用說明
0.5 ~ 1 A	A wire encircles on CT a circle . / 電線繞 CT 1圈
1A ~ 40A	A wire runs through CT. / 電線穿過CT

EXAMPLE



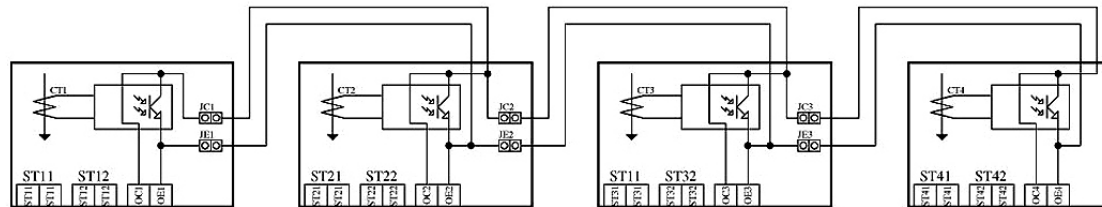
OUTPUT: OPEN COLLECT MAX. 24V DC, 50mA



CTM-4-VR

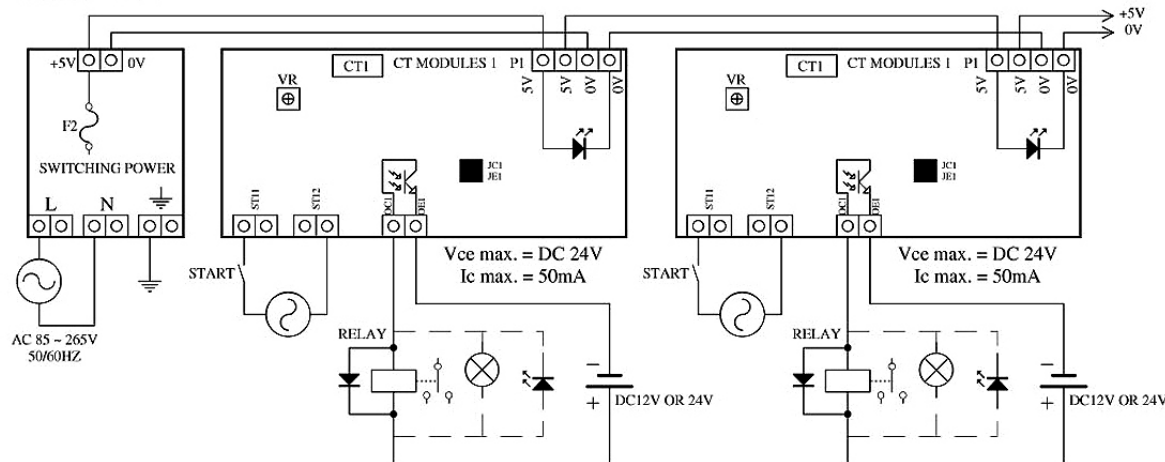
- GREEN LED L0 INDICATED IF DC5V WAS ON 5V TERMINAL.
- GREEN LED LG INDICATED IF SATRT SIGNAL INPUTTED TO STX1 AND STX2 TERMINALS.
- RED LED LR INDICATED AND PHOTO TRANSISTOR OCX AND OEX WAS ON IF CURRENTS DIDN'T GO THROUGH CT OR LESS SETTING CURRENTS WENT THROUGH CT.

- DC +5V 接在 5V 輸入端時, 綠色 LED L0 點亮。
- 啓動信號 接在 STX1 與STX2 端時, 綠色 LED LG 點亮。
- 當無電流或小於所設定之電流通過CT時, 紅色 LED LR 點亮並且光電晶體 OCX 與 OEX 導通。

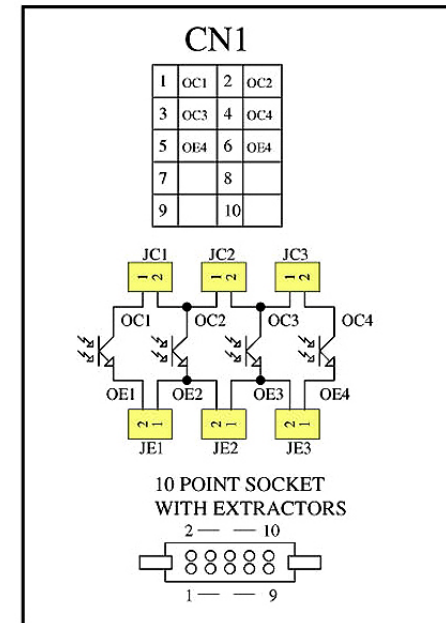


CURRENT RANGE / 電流範圍	Direction / 使用說明
0.1 ~ 0.5 A	A wire encircles on CT two circles . / 電線繞 CT 2圈
0.5 ~ 1 A	A wire encircles on CT a circle . / 電線繞 CT 1圈
1A ~ 40A	A wire runs through CT. / 電線穿過CT

EXAMPLE



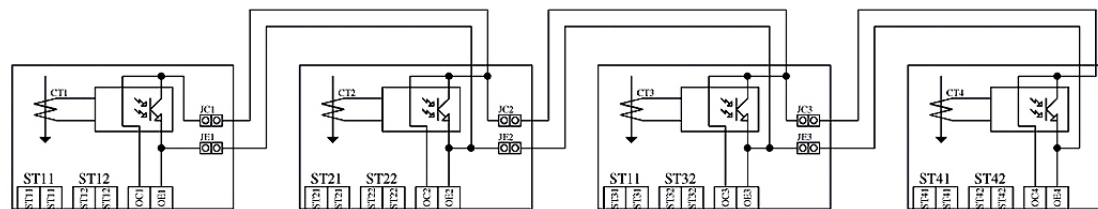
OUTPUT: OPEN COLLECT MAX. 24V DC, 50mA



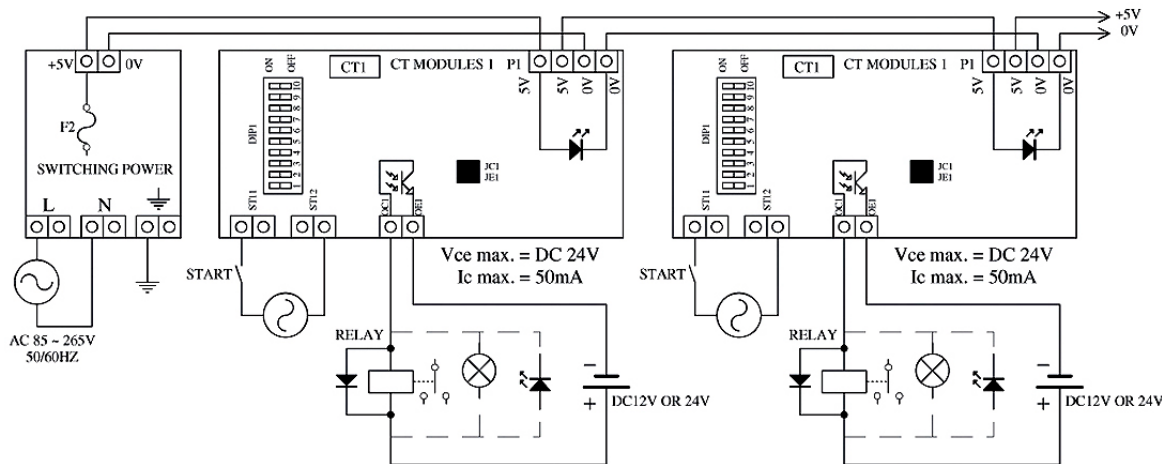
CTM-4-S-5A / CTM-4-S-10A

- GREEN LED L0 INDICATED IF DC5V WAS ON 5V TERMINAL.
- GREEN LED LG INDICATED IF SATRT SIGNAL INPUTTED TO STX1 AND STX2 TERMINALS.
- RED LED LR INDICATED AND PHOTO TRANSISTOR OCX AND OEX WAS ON IF CURRENTS DIDN'T GO THROUGH CT OR LESS SETTING CURRENTS WENT THROUGH CT.

- DC +5V 接在 5V 輸入端時, 綠色 LED L0 點亮。
- 啓動信號 接在 STX1 與 STX2 端時, 綠色 LED LG 點亮。
- 當無電流或小於所設定之電流通過CT時, 紅色 LED LR 點亮並且光電晶體 OCX 與 OEX 導通。



EXAMPLE



OUTPUT: OPEN COLLECT MAX. 24V DC, 50mA

DIP SW. ON POSITION DIP. 開關ON 位置	DETECTED CURRENT RANGES 電流檢測範圍	
	CTM-4-S-5A	CTM-4-S-10A
1	0.5A	5.0 ~ 5.5A
2	0.5 ~ 1A	5.5 ~ 6.0A
3	1 ~ 1.5A	6.0 ~ 6.5A
4	1.5 ~ 2.0A	6.5 ~ 7.0A
5	2.0 ~ 2.5A	7.0 ~ 7.5A
6	2.5 ~ 3A	7.5 ~ 8.0A
7	3 ~ 3.5A	8.0 ~ 8.5A
8	3.5 ~ 4.0A	8.5 ~ 9.0A
9	4.0 ~ 4.5A	9.0 ~ 9.5A
10	4.5 ~ 5.0A	9.5 ~ 10.0A

