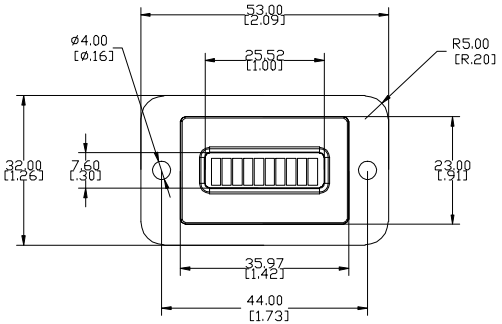
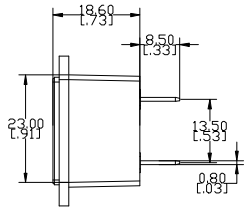
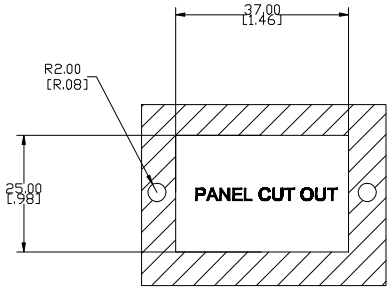
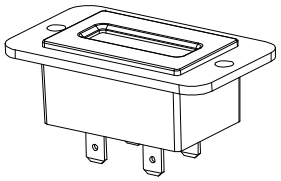
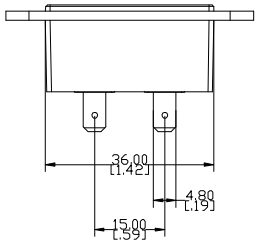
REVISIONS			
REV.	DESCRIPTION	DATE	INIT
0	INITIAL RELEASE		
1			

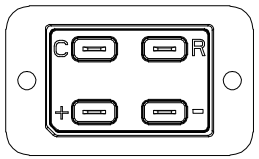


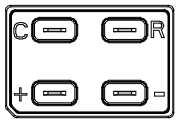












Battery type(custom services available)		working voltage of every bar									
		1	2	3	4	5	6	7	8	9	10
Lead-acid battery	12V	10.38	10.59	10.80	11.01	11.22	11.43	11.64	11.85	12.30	>12.3
	24V	20.76	21.18	21.60	22.02	22.44	22.86	23.28	23.70	24.60	>24.6
	36V	31.14	31.77	32.40	33.03	33.66	34.29	34.92	35.55	36.90	> 36.9
	48V	41.52	42.36	43.20	44.04	44.88	45.72	46.56	47.40	49.20	> 49.2

+	12/24V, positive pole of input power source, connected to positive pole of power source range DC 10-28V
	36V, positive pole of input power source, connected to positive pole of power source range DC 30-45V
	48V, positive pole of input power source, connected to positive pole of power source range DC 40-60V
-	Negative pole of input power source, connected to negative pole of power source
C	Selection button on working mode
R	Output function: when the battery power is ≥10%, it will output 5V signal; when the battery power is <10%, it will output 0V signal. (custom output function available)

Items	Parameter
Housing material	ABS
Operating voltage	DC 10-60V
Operating current	≤100mA
Operating temperature	-15℃ TO 70℃
Display window size	25.5*7.6mm
Product weight	36g
Product dimensions	53*32*27.1mm

1. Display:
   - Battery power display way: 10XLED lights, 1Xyellow light, 2Xred lights and 7Xgreen lights.
   - Battery power display mode: Regular display mode or SR mode: Single LED light illuminated and Multiple LED lights illuminated.
   - Regular display mode: When Pin C is disconnected to positive pole, the working mode is "Single LED illuminated". a single LED light is lit to display the current bar.
   - SR mode: When Pin C is connected to positive pole, the working mode is "Multiple LED lights illuminated". Multiple LED lights are lit to display the current bar.
2. Battery testing function:
   - When it is connected power source, it will automatically distinguish the current battery power left.
   - The delay display function of battery power: The battery power is going down one LED bar by one LED bar when discharging. The delay time among each LED bar is 155 seconds.The battery power is going up one LED bar by one LED bar when charging. The delay time among each LED bar is 200 seconds. custom delay time available.
   - Custom voltage discharge curves available for battery indicator.
3. Output function:
   - when the battery power is > 1st bar, it will output 5V signal;
   - when the battery power is ≦1st bar, it will output 0V signal.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: .X± .1 .XX± .02 .XXX± .005 X°± 1°	DRAWN	DATE	Runleader® NINGBO JIANGBEI RUN LEADER ELECTRONICS CO., LTD WWW.RUN-LEADER.COM
	CHECKED	DATE	
	APPROVED	DATE	
	MATERIAL N/A	PROJECTED VIEWS ARE 3RD ANGLE	TITLE Battery Indicator
COMPUTER GENRATED DRAWING-NO MANUAL CHANGES ALLOWED	FINISH N/A		SIZE A / PART.NO. RL-BI027
	DO NOT SCALE DRAWING	STATUS DS4_DESIGN	SCALE NTS / SHEET 1 OF 1 / PROJECT NO. 173 / REVISION 0