

NOTES:

- RELAY INTERFACE CONTROL PANEL SHALL BE MANUFACTURED BY AN FAA APPROVED L-821 PANEL BUILDER OR A UL 508 INDUSTRIAL CONTROL PANEL BUILDER, AND SHALL BE MANUFACTURED IN THE UNITED STATES TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENT AND THE "BUY AMERICAN ACT".
- PANEL SHALL BE IN A NEMA 12 ENCLOSURE WITH HINGED COVER. INSTALL DRAIN IN BOTTOM OF ENCLOSURE TO ALLOW CONDENSATION TO ESCAPE.
- EXTERNAL CONTROL CABLE SHALL BE NO. 12 AWG COPPER, 600 VOLT CABLE. ALL PANEL INTERIOR CONTROL CABLE SHALL BE MINIMUM 16 AWG, COPPER, 600
- IN THE AUTOMATIC MODE OF OPERATION THE RUNWAY 9-27 CONSTANT CURRENT REGULATOR SHALL BE CONTROLLED BY THE PHOTOCELL & THE L-854 RADIO CONTROL LINIT IN THE FOLLOWING MANNER

PHOTOCELL - 10% BRIGHTNESS & ACTIVATE RADIO CONTROL

5 CLICKS - 30% BRIGHTNESS 7 CLICKS - 100% BRIGHTNESS

IN THE AUTOMATIC MODE OF OPERATION THE TAXIWAY 9-27 AND RUNWAY 18-36 CONSTANT CURRENT REGULATORS WILL BE CONTROLLED BY THE PHOTOCELL & THE L-854 RADIO CONTROL UNIT IN THE FOLLOWING MANNER: PHOTOCELL -ACTIVATE RADIO CONTROL

3 CLICKS -10% BRIGHTNESS 5 CLICKS -30% BRIGHTNESS 7 CLICKS -100% BRIGHTNESS

- IN THE AUTOMATIC MODE OF OPERATION THE WIND TEE, WIND CONE, AIRPORT ROTATING BEACON & APRON LIGHT SHALL BE ACTIVATED BY THE PHOTOCELL OR
- IN THE AUTOMATIC MODE OF OPERATION THE RUNWAY 9-27 AND 18-36 PLASI'S WILL BE CONTROLLED BY THE L-854 RADIO CONTROL UNIT IN THE FOLLOWING MANNER:

3 CLICKS - ON

5 CLICKS - REMAIN ON

7 CLICKS - REMAIN ON

- EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH BRANCH CIRCUIT & EACH CONTROL CIRCUIT.
- INCLUDE PHOTOCELL BYPASS SWITCH.
- 10. SURGE PROTECTOR SHALL BE UL LISTED PER UL 1449, SUITABLE FOR 120 VAC, 1PH, 2 WIRE PLUS GROUND SYSTEM WITH SURGE CURRENT RATING OF 40 KA (MIN.), 8x20 MICROSECOND WAVE, AND STATUS INDICATION LIGHTS IN A WEATHERPROOF HOUSING, JOSLYN MODEL 1260-21, OR APPROVED EQUAL. MAINTAIN LEADS AS SHORT & AS STRAIGHT AS POSSIBLE. INCLUDE MOUNTING BRACKET
- 11. INCLUDE EQUIPMENT GROUND BAR, ILSCO D167-12 OR APPROVED EQUAL.
- 12. CONTROL RELAYS SHALL HAVE 10 AMP CONTACT RATINGS AT 240 VAC WITH 120 VAC COILS. PROVIDE 3 SPARE RELAYS FOR EACH TYPE USED IN THE RELAY
- 13. COLOR CODING FOR THE CONTROL WIRING TO EACH CONSTANT CURRENT REGULATOR SHALL BE CONSISTENT FOR ALL REGULATORS. COLOR CODING SHALL BE AS FOLLOWS:

10% -ORANGE

30% -YELLOW 100% -RLUF NEUTRAL -WHITE

EQUIPT. GND -GREEN

ALSO TAG THE CONTROL WIRES WITH THE RESPECTIVE DESIGNATION (CC, 10%, 30%, 100%)

14. "N" DESIGNATES NEUTRAL CONNECTION OR NEUTRAL CONDUTOR.

	REVISION					
	DATE					

ED017 YIIIII

EDGAR COUNTY AIRPORT PARIS, ILLINOIS

"MARMSTRONG.

HANSON

CONSTRUCT CROSSWIND RUNWAY 18-36 IELD LIGHTING CONTROL WIRING SCHEMATIC

52 of 137 sheets