



LIGHTING CONTROL PANEL OPERATIONS MANUAL

OVERVIEW / OPERATION

The Aerco lighting control panel is designed to operate the restaurant's exterior lighting and signs in a fully automatic manner using a digital photo cell/controller and a programmable timer. The exterior lighting is divided into three separate circuits:

C1 – Security C2 – Parking C3 – Signage

The exterior light level and the time at which each circuit is (de)energized is adjustable.

Mounted on the outside of the lighting control panel is an illuminated three position selector switch labeled "**Hand / O / Auto**" and a green indicator light mounted beside the selector switch. The selector switch is illuminated when it is placed in the "Hand" or "Auto" positions and the panel's control power is available. The **green indicator light** is illuminated when the C3 (Signage) circuits are energized.

"Auto" Switch Position – C1-2-3 (Security-Parking-Signage) lighting circuits are energized when the exterior light level is below their respective adjustable set points and the timer* contacts are closed. Selected when the restaurant is operated on a scheduled open/closed basis.

"Hand" Switch Position – C1-2-3 (Security-Parking-Signage) lighting circuits are energized when the exterior light level is below their respective adjustable set points. Selected when the restaurant is operated on an open 24 Hr. basis.

"O" Switch Position – C1 (Security) lighting circuits only, are energized when the exterior light level is below the adjustable set point. Selected when the restaurant is vacant, i.e. Christmas Day.

Exterior light level set point adjustment dials are located down the left side of the GE control board (located inside the lighting control panel).

Security	(C1)	Level – 2 FC / Increment	Set 5 = 10 FC
Parking	(C2)	Level – 2 FC / Increment	Set 5 = 10 FC
Parking Egress	(C2)	Level – 15 Min. / Increment	Set 2 = 30 Minutes
(Time period after the timer contacts open that the C2 circuits remain energized)			
Signage	(C3)	Level – 20 FC / Increment	Set 3 = 60 FC

***Timing** – The **Channel 2** contacts of a **digital timer** (located inside the HVAC control panel) are programmed to close (on) when the restaurant is scheduled to be open to the public. The contacts are programmed to open (off) when restaurant and/or drive-thru are scheduled to be closed to the public.

-or-

D-1 (Front Dining) HVAC programmable thermostat auxiliary contacts (A1-A2) close (on) at the programmed "Occupied Start" time when the restaurant is scheduled to be open to the public. The contacts open (off) at the programmed "Unoccupied Start" time when the restaurant and/or drive-thru are scheduled to be closed to the public.

An **optional** two position "**Off/On**" switch (installed below the three position switch) will energize the C3 (Signage) circuits continuously, regardless of the timer contacts position or the exterior light level when it is placed in the "On" position.

DANGER: RISK OF ELECTRICAL SHOCK INJURY OR DEATH. Multiple power sources. Disconnect all electrical power sources before accessing control panels.