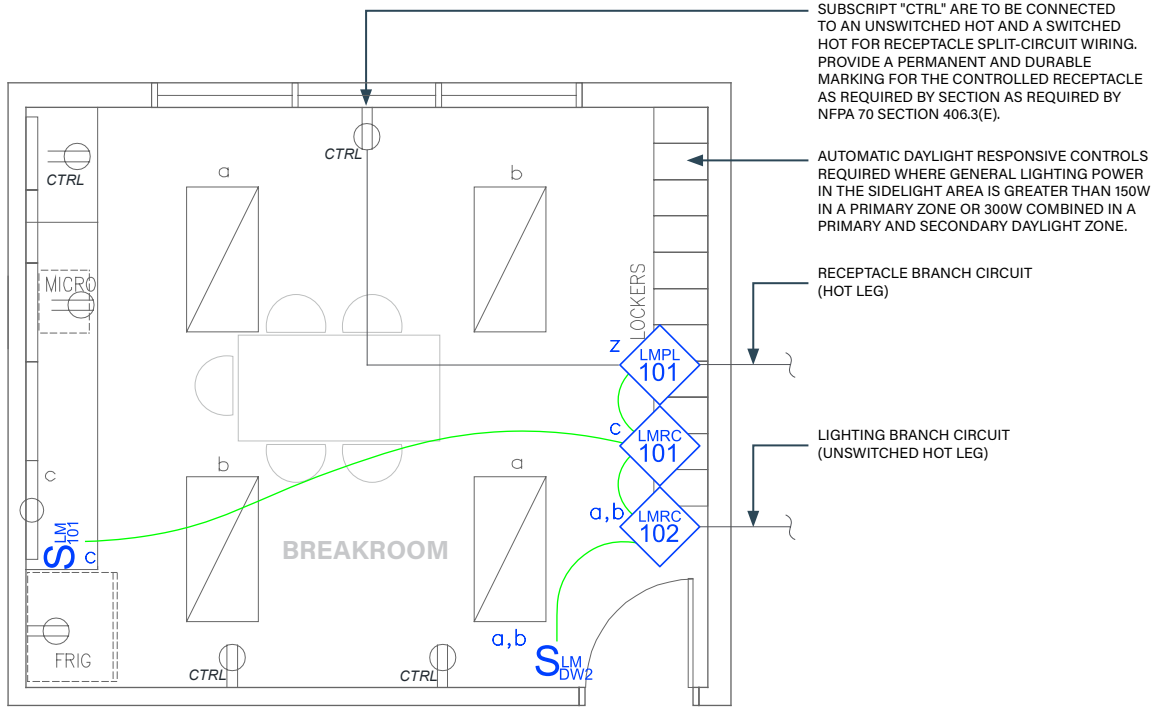




BREAKROOM/KITCHEN

On/Off Switching with Wired DLM Product



TYPICAL-RECEPTACLES NOTED WITH SUBSCRIPT "CTRL" ARE TO BE CONNECTED TO AN UNSWITCHED HOT AND A SWITCHED HOT FOR RECEPTACLE SPLIT-CIRCUIT WIRING. PROVIDE A PERMANENT AND DURABLE MARKING FOR THE CONTROLLED RECEPTACLE AS REQUIRED BY SECTION AS REQUIRED BY NFPA 70 SECTION 406.3(E).

AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS REQUIRED WHERE GENERAL LIGHTING POWER IN THE SIDELIGHT AREA IS GREATER THAN 150W IN A PRIMARY ZONE OR 300W COMBINED IN A PRIMARY AND SECONDARY DAYLIGHT ZONE.

RECEPTACLE BRANCH CIRCUIT (HOT LEG)

LIGHTING BRANCH CIRCUIT (UNSWITCHED HOT LEG)



Wired



Wireless

SEQUENCE OF OPERATIONS

1. General lighting (a) auto On to 50% and controlled receptacles auto On when occupancy detected.
2. Manual On/Off and 50% level control of general lighting (a, b) with wall switch occupancy sensor.
3. Manual On/Off control under cabinet lighting (c) with switch.
4. Auto off all lighting and controlled receptacles within 20 minutes of occupants leaving.

DESIGN CONSIDERATIONS

- A ceiling or corner mount occupancy sensor can be used instead of the wall switch occupancy sensor for larger rooms or to achieve a more specific area of occupancy detection coverage.
- Time scheduling, demand response and remote programming/diagnostic functions are enabled with installation of the LMBC-300 Network Bridge or LMBC-650 Wireless Bridge for system connectivity.
- Automatic receptacle control can be designed using either an RF transmitter with receptacle RF receivers, or hardwired receptacles using an LMPL-101 Plug Load Room Controller.
- To integrate occupancy detection control with the HVAC System, use a LMRL-100 Isolated Relay Interface.

BILL OF MATERIALS

PART NO.	QTY	DESCRIPTION
LMRC-101	1	1-Relay Room Controller
LMRC-102	1	2-Relay Room Controller
LMDW-102	1	2-Button Dual Tech Wall Switch Occupancy Sensor
LMSW-101	1	1-Button Digital Wall Switch
LMPL-101	1	Plug Load Room Controller
LMRJ	A/R	Pre-Terminated Cable

CODE REQUIREMENTS

C405.2.1	Occupancy Sensor Control
C405.2.1.1	Manual On / Partial Auto On
C405.2.5	Specific Application Control
C405.2.6	Manual Control
C405.11	Auto Receptacle Control