J1
Battery Terminal

3xAA

2 VBAT
1 GND

Reverse Polarity Protection

JP1
Current Test

Q1
AO3401A
D   S

G

PWR_FLAG

VDD

R1
1MΩ

C1
.1µF

GND

C2
10µF

GND

S1
AM312

VDD

VCC
VOUT
GND

1
2
3

PIR Sensor

GND

R2
680Ω

R3
1MΩ

GND

J2
XWA11V Terminal

Walk-in Controller

5 DIN1
4 DIN2
3 COM
2 NTC1
1 NTC2

D1
SMF12CA

D2
SMF12CA

U1
AQY212EH

DIN1 4

COM 3

1 PIR_SIG

2

Photorelay

GND

J3
Probe Terminal

NTC1 1
NTC2 2

Temperature Sensor Probe
NTC 10KΩ

D3
SMF12CA

C3
1nF

H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole

Battery-powered PIR interface providing an isolated dry-contact output to an XWA11V controller for motion-activated lighting. Includes NTC probe pass-through and field wiring protection.

Eli Bell
Sheet: /
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Title: Walk-In PIR Motion Interface
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