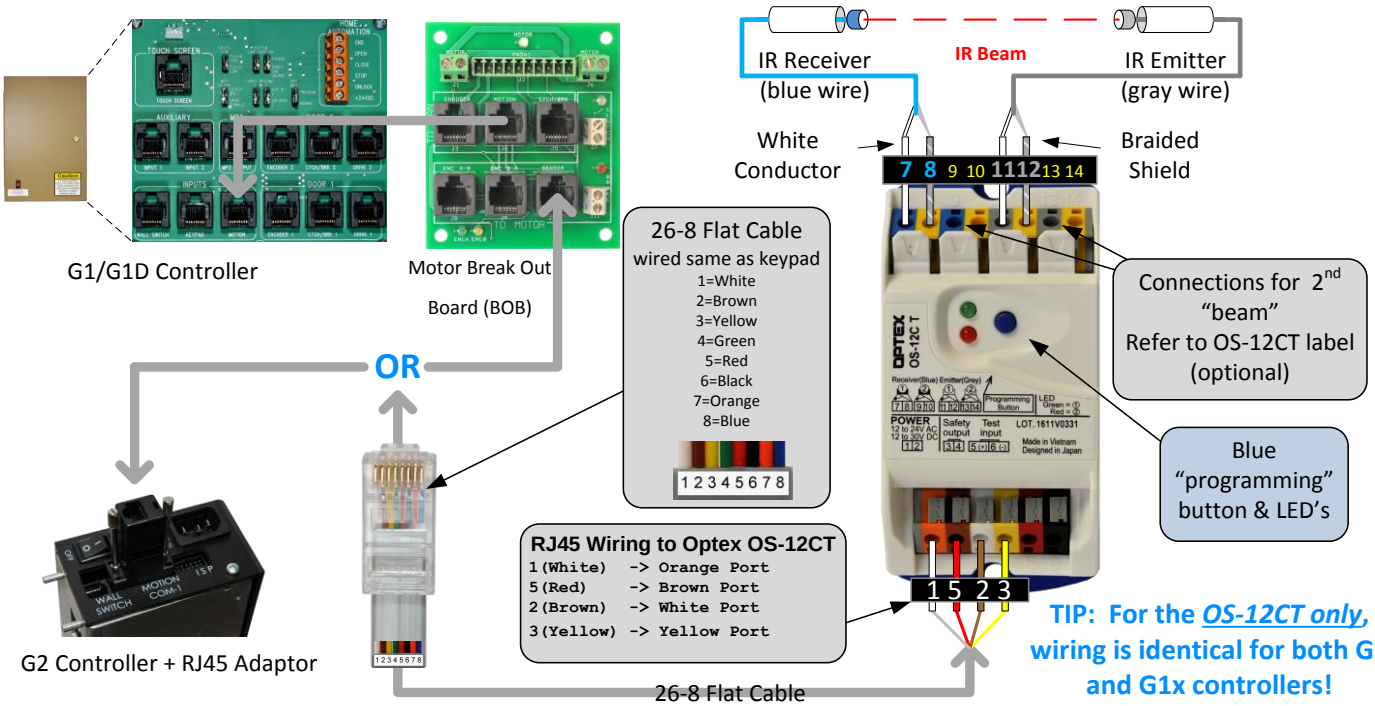
Optex **OS-12CT** Wiring for the G1/G1D/G2 Controllers

This controller is “programmable” and therefore maintains the same wiring between different controller systems.

1. Power off the G2 or G1x controller.
2. Verify the controller is an Optex **OS-12CT** not the OS-12C.
3. Attach a single ended RJ-45 connector to the G2 + Adaptor OR to a G1/G1D motion RJ45.
4. Wire the other end to the OS-12CT using the color codes shown.
5. Attach the IR Receiver(s) & Emitter(s) as shown. **Do NOT cut the BLUE IR receiver wire(s) shorter.**
6. Verify connections and power up the controller.



Optex **OS-12CT Sensitivity Adjustment**

Figure 1 - Programming Button

With the G2 controller powered on…

1. Make sure the beam path is clear of obstructions & aligned.
2. Press the **BLUE** "programming" button for more than 1 second and observe the LED's.
3. When the Green & Red LED's stop blinking and are solid ON, the auto adjust has completed

Green ON – Successful for 1 beam.

Green & Red ON – Successful for 2 beam installations.

Alternately Blinking Red & Green – Error, check for obstructions, dirty lens, wire connections & alignment. Correct and repeat Step 2.

Red & Green Both Blink 2 Times Simultaneously – OS-12CT service is required.

2x

Optex **OS-12CT Programming**

1. Press the BLUE "programming" button until the Red LED starts blinking. This initializes the programming function.
2. Now press the BLUE "programming" button to select the Amplifier Mode for the controller:

   Select "B" for the **G2** (the Red LED blinks **2** times)

   Select "D" for the **G1/G1D** (the Red LED blinks **4** times)
3. To save the setting, press and hold the BLUE "programming" button until the Red & Green LED's stop blinking.
4. The OS-12CT is now in normal operation mode.
5. Verify the door, when closing, stops then opens when the beam is broken.