

## 2) Wiring of IZTC41

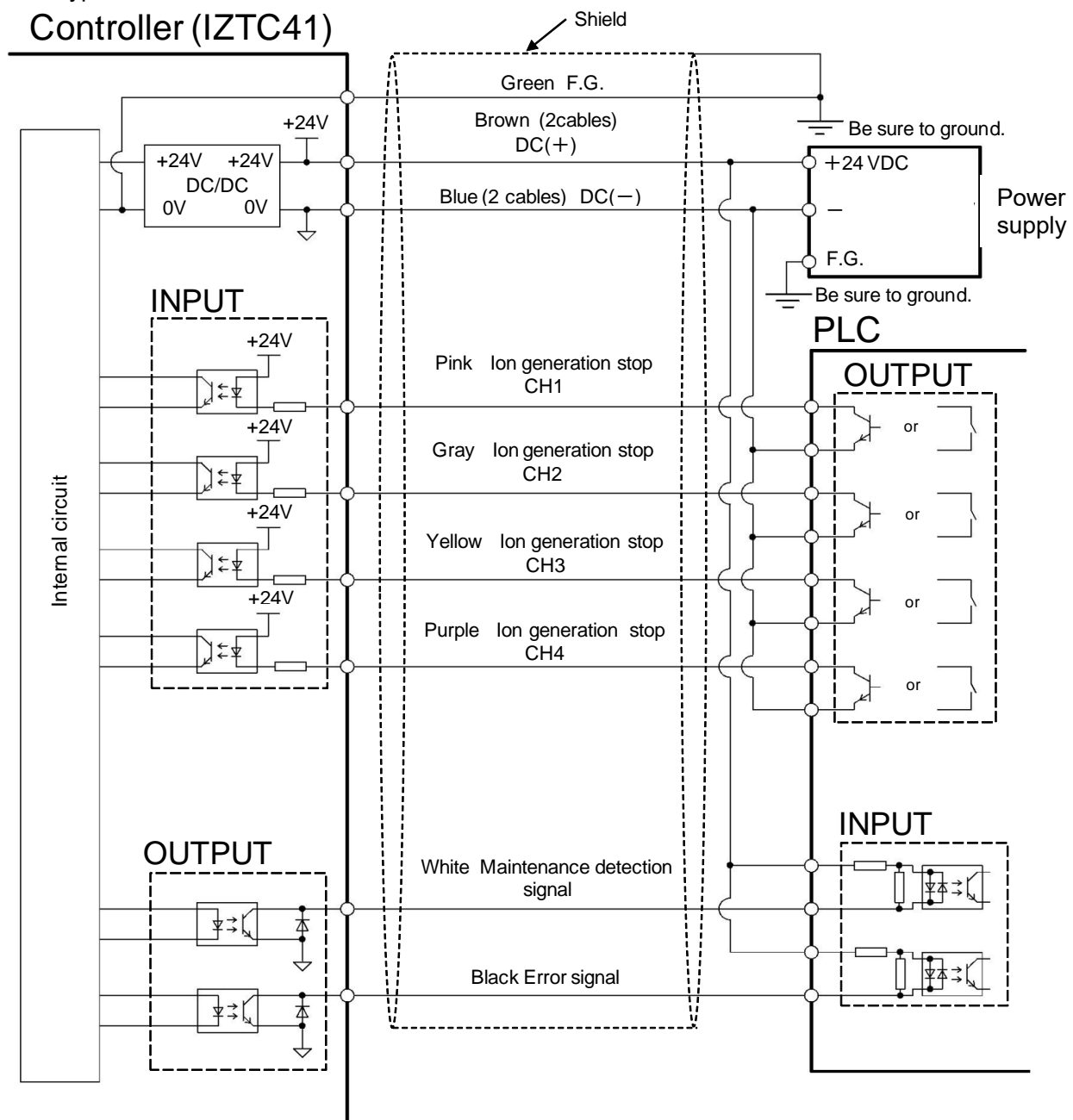
For IZTC41-L, refer to the IO-Link dedicated instruction manual.

Table10. Wiring

Cable color	Signal name	Signal direction	Description
Brown	DC(+)	IN	Connect power supply to operate the Ionizer.
Blue	DC (-)	IN	
Green	F.G.	-	Make sure to ground with a resistance of 100Ω or less to use it as a reference electric potential for Ionizer.
Pink	Ion discharge stop signal CH1	IN	Signal input to turn ON/OFF ion generation of each bar (CH1 to 4) . NPN specification: Ion generation is stopped by connecting to 0 V . (Ion generation starts by disconnecting) PNP specification: Ion generation is stopped by connecting to 24 VDC . (Ion generation starts by disconnecting)
Gray	Ion discharge stop signal CH2	IN	
Yellow	Ion discharge stop signal CH3	IN	
Purple	Ion discharge stop signal CH4	IN	
White	Maintenance detection signal	OUT (Contact point A)	Turns ON when emitter needs cleaning.
Black	Error signal	OUT (Contact point B)	Turns off in case of CPU failure, power supply failure, high voltage failure, communication failure, cooling fan motor failure, inconsistent module, duplication of CH, output signal over current, or high voltage power supply module is not connected. (The signal is ON when there is no problem.)
Orange	Unused	-	-

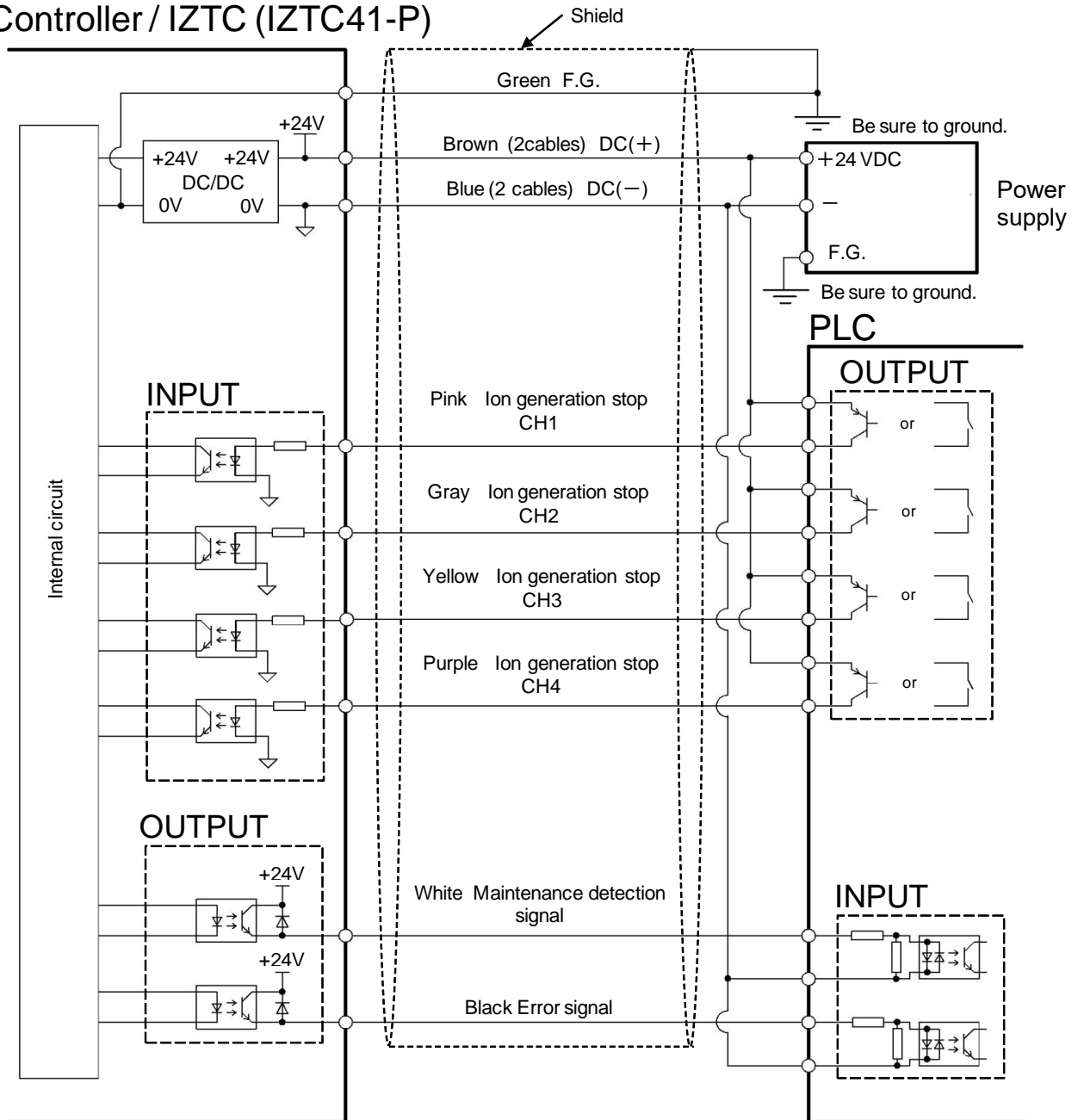
NPN type

### Controller (IZTC41)



Make sure to ground the F.G. cable (green) with a resistance of 100 ohms or less. Without grounding, this products and/or power supply may be damaged.

PNP type  
Controller / IZTC (IZTC41-P)



Make sure to ground the F.G. cable (green) with a resistance of 100 ohms or less. Without grounding, this products and/or power supply may be damaged.

### 3-2-3. Wiring of the AC adapter (IZT40/41/42)

- Perform F.G. connecting with the ground terminal (F.G.) of the AC cord when AC adapter is used. If the AC cord is plugged in, plug it into a grounded outlet. Use an AC cord with ground terminal, if it is prepared by the user.
- The ground terminal (F.G.) is used as a reference electric potential for static neutralization. If the ground terminal is not grounded, the Ionizer will not be able to achieve the optimal offset voltage (ion balance).
- When an AC adapter is used, the external input/output function cannot be used (Model: IZTC41, IZTC41-P).

