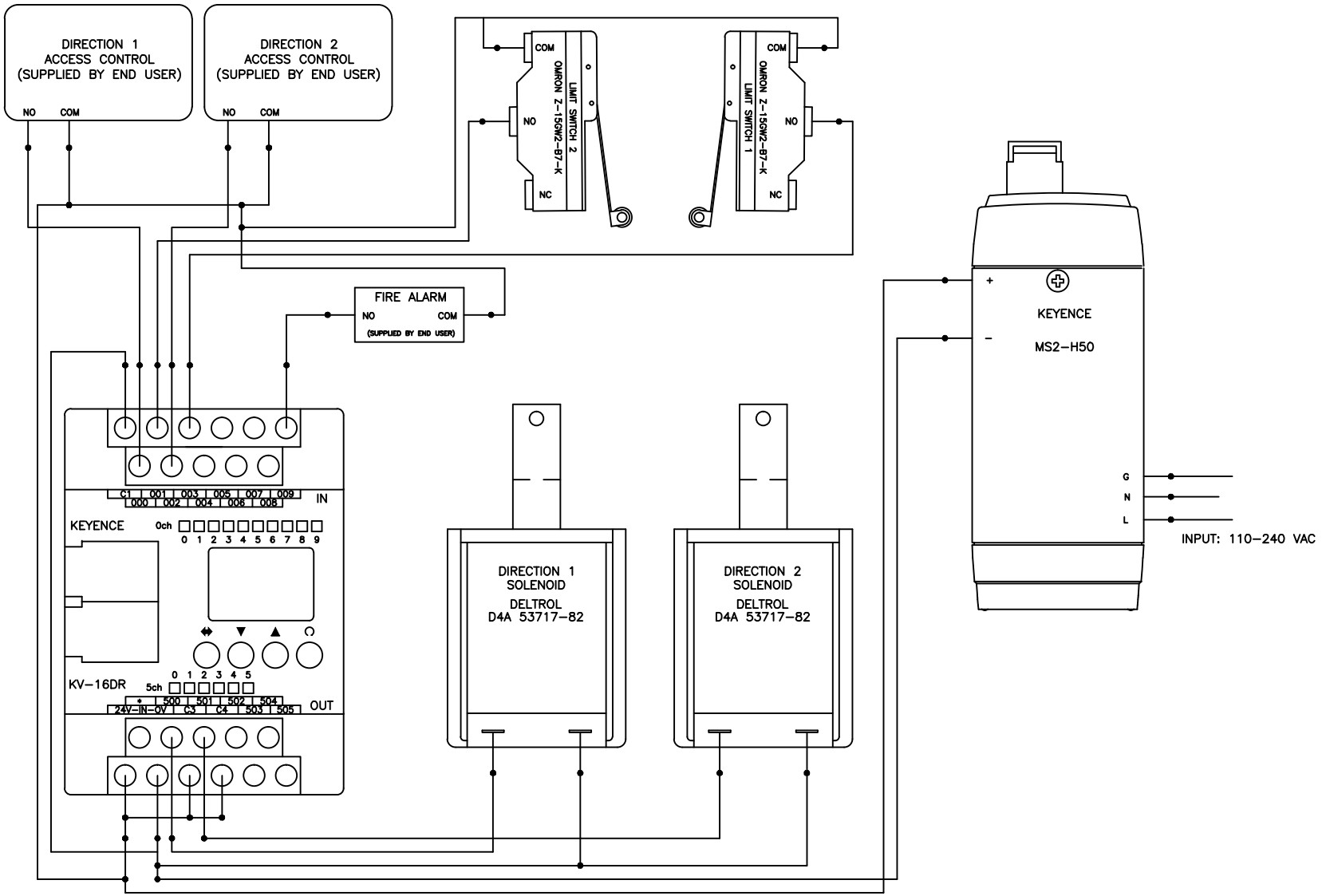


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STANDARD WIRING DIAGRAM

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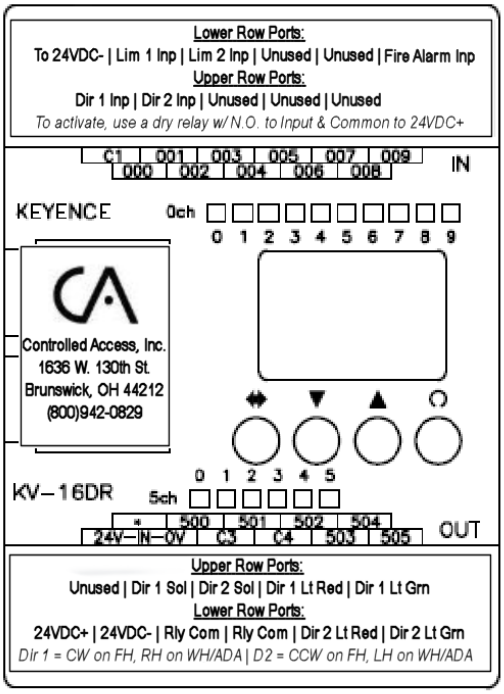
# 6500 Series Control Head Wiring Legend

Since each control head comes pre-wired, only access control and fire alarm should need to be connected to the board. If you are unable to fit wires for access control on the 24VDC+ input on the board, the voltage can be picked up directly from the power supply or from the relay commons (C3 & C4) on the board (C4 may not have voltage depending on options purchased. There will be a red jumper to C4 if there is). You may also run a jumper from 24VDC+ to any unused input to give additional contacts if needed.




## 6789 Wiring Legend

**Definitions:**
**– Direction 1: Clockwise on a full height, right hand cabinets on waist highs / ada gates**
**– Direction 2: Counter clockwise on a full height, left hand cabinets on waist highs / ada gates**
**– Limit 1: Cancels direction 1 activation**
**– Limit 2: Cancels direction 2 activation**
**– Fire Alarm: Unlocks both directions while active**

**Inputs are triggered with 24VDC+ (PNP). Use dry normally open relays to activate. 24VDC+ to the common leg and the input you wish to trigger to the normally open leg.**

**BE SURE TO DISCONNECT POWER BEFORE WIRING THE BOARD.**

| Input Side | Output Side |
|---|---|
| C1: To 24VDC – | *: Unused |
| 000: Direction 1 Input | 24V-IN-0V: Input voltage |
| 001: Limit 1 Input | C3: Common for 500 & 501 Outputs |
| 002: Direction 2 Input | C4: Common for 502-505 Outputs |
| 003: Limit 2 Input | 500: Direction 1 Solenoid |
| 004: Not Used | 501: Direction 2 Solenoid |
| 005: Not Used | 502: Direction 1 - Red Light |
| 006: Not Used | 503: Direction 2 - Red Light |
| 007: Not Used | 504: Direction 1 - Green Light |
| 008: Not Used | 505: Direction 2 - Green Light |
| 009: Fire Alarm Input | |

**Note: Directional status outputs are unaffected by optional key overrides as the override occurs outside of the logic controller.**