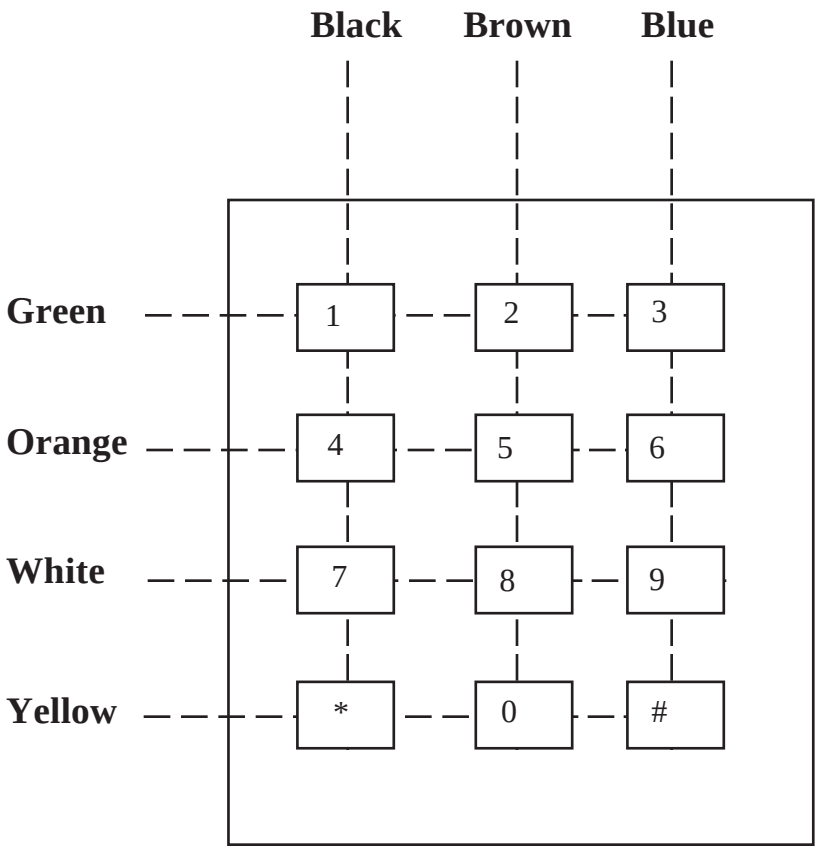Wiring a 3x4 telephone style matrix keypad to IBC readers with the external keypad option