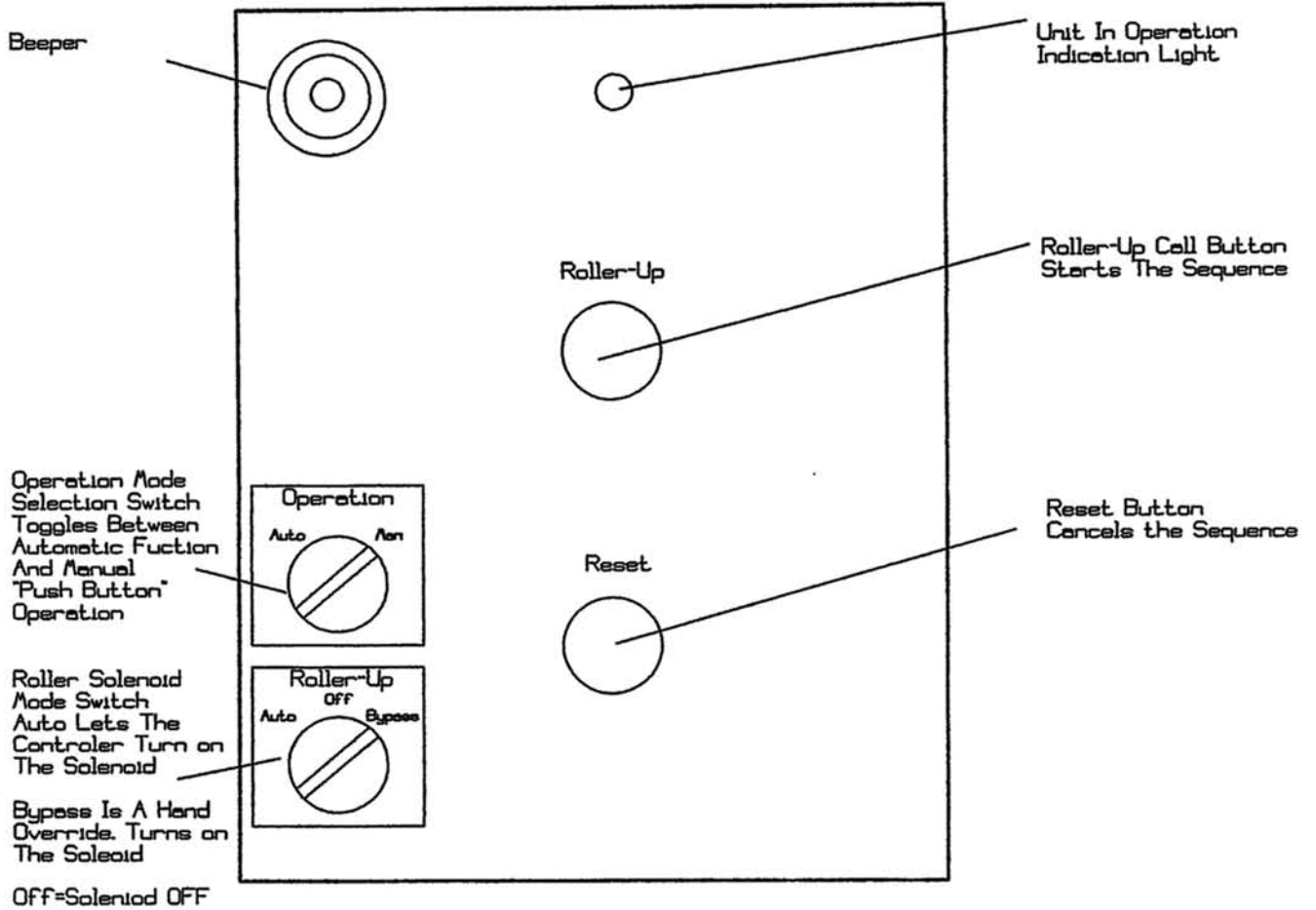


INSTALLATION INSTRUCTIONS FOR ROLLER-UP SYSTEM

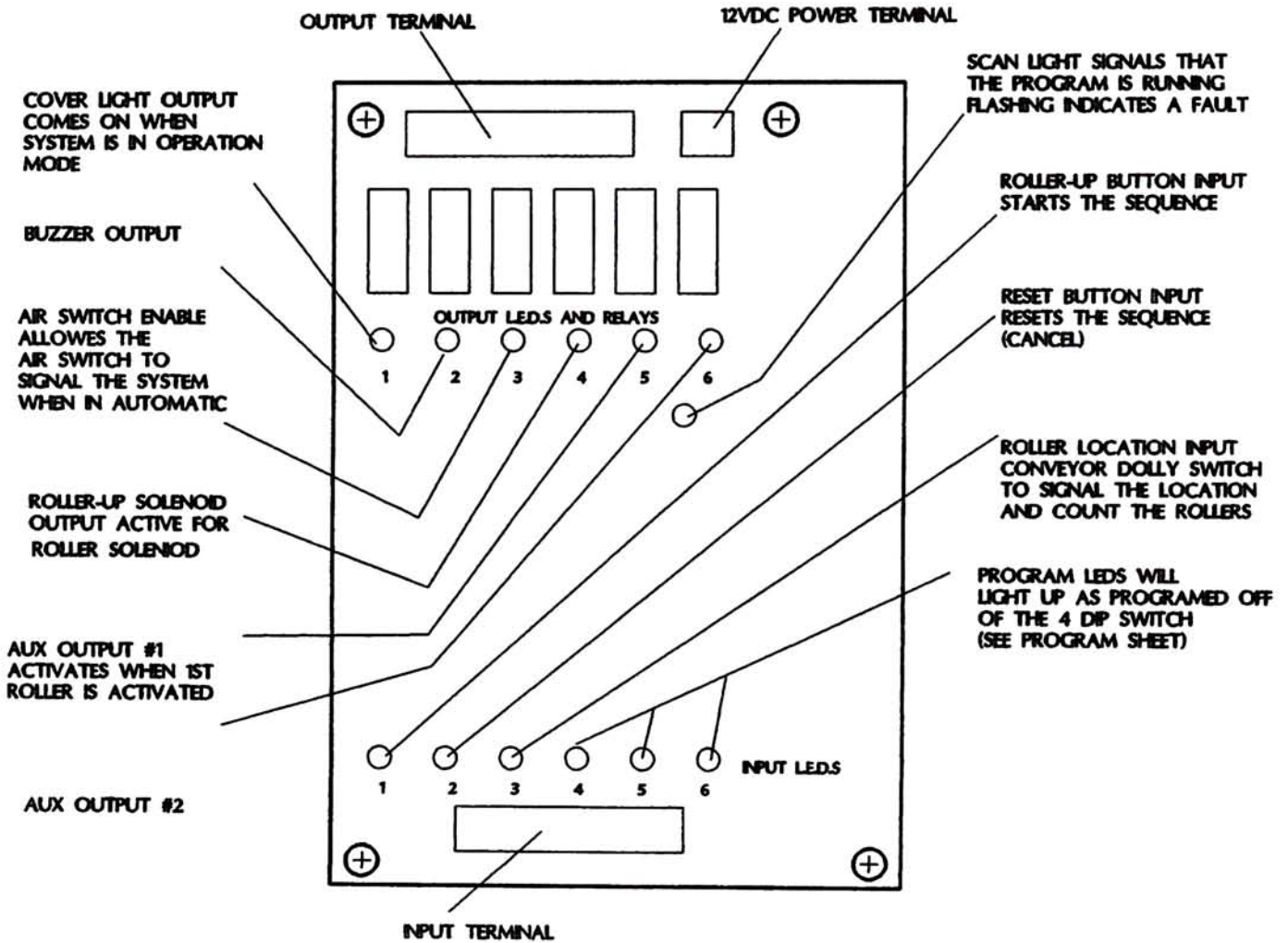
MODEL
GRU-400FX

DATE ISSUED 2006

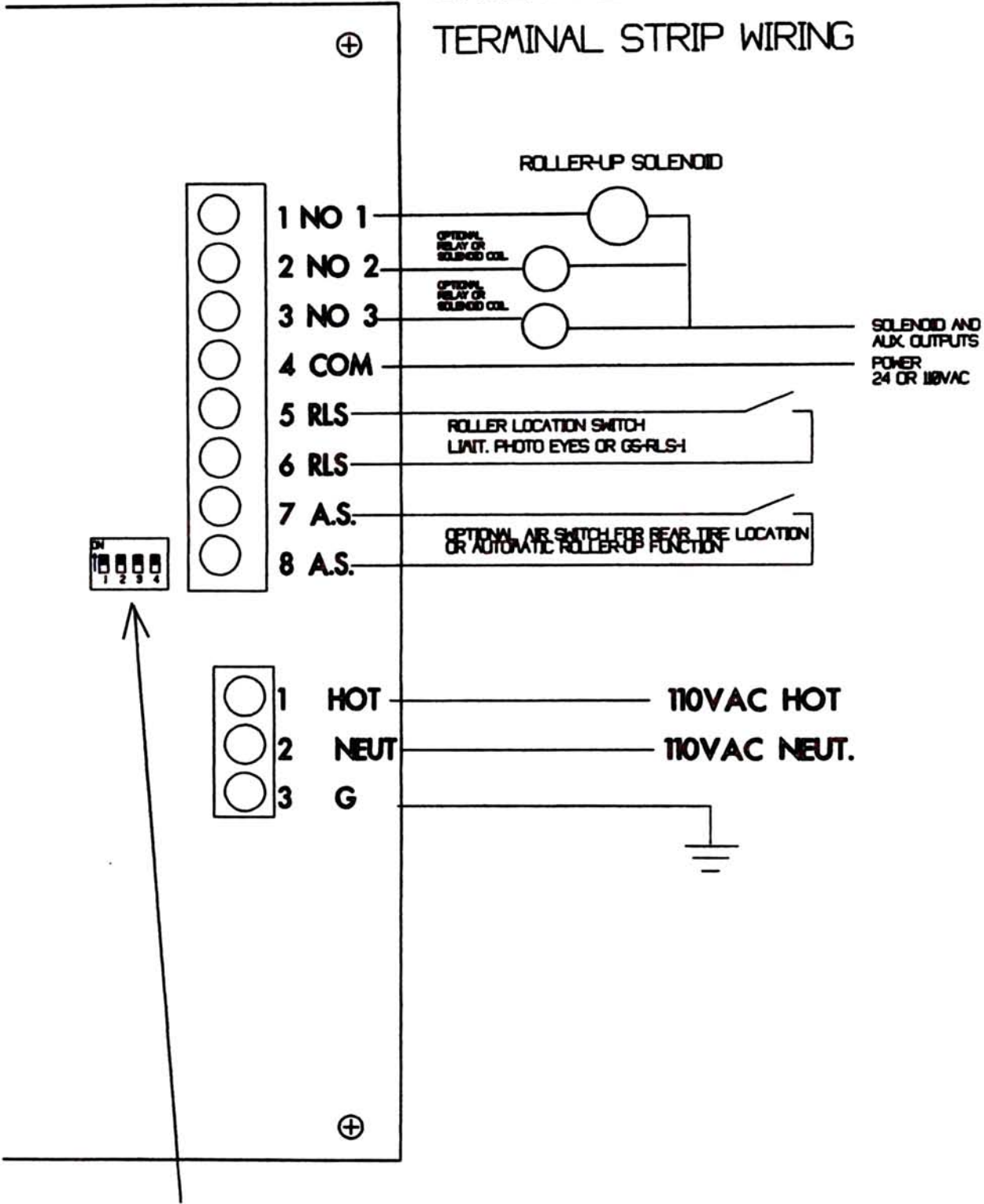
GOODLIN SYSTEMS INC.
2520 ROUTE 176 UNIT 4
PRAIRIE GROVE, IL. 60012
PH. (815) 444-0402
FAX. (815) 444-0406
www.goodlinsys.com



MAIN CONTROL BOARD LAYOUT



EXTERNAL
TERMINAL STRIP WIRING

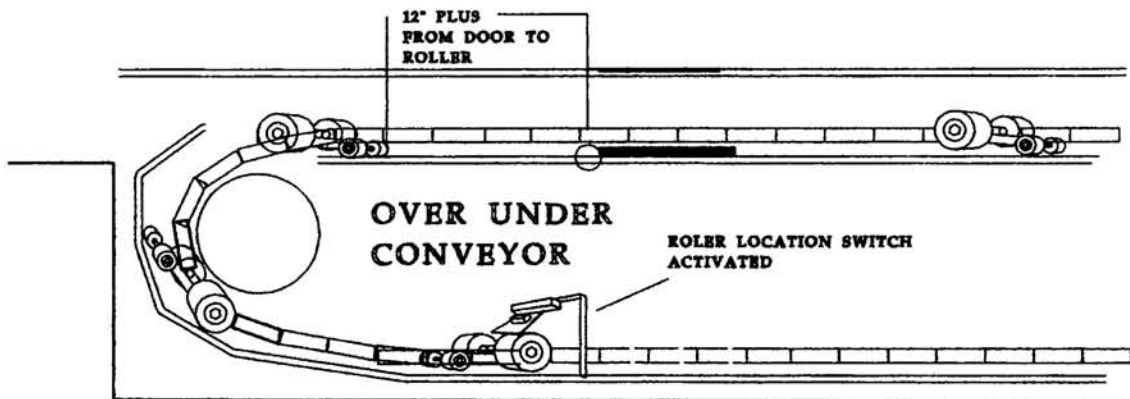


ROLLER-UP 400FX PROGRAMMING FOR GRU400V4











ROLLER LOCATION SWITCH

This unit needs a roller sensing unit to signal the roller placement/location. This can be a simple limit switch but the GOODLIN ROLLER-LOCATION SWITCH model GS-RLS-1 is recommended. The proper placement of this unit is important to the Roller-Up function.

On any over-under conveyor, simply stop the conveyor when a roller is 8-12 inches BEFORE the roller forks. Mark the place where a bottom roller is located. This is where the sensing unit is to be placed. This is so the the roller is 8-12 inches from the roller forks when the ROLLER-UP is signaled to activate the Roller-Up Solenoid.



ROLLER-UP 400FX PROGRAMMING FOR PROGRAM GRU400V4

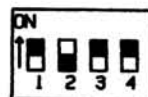
PROGRAM NUMBER	SWITCH CHART				PROGRAM FUNCTION
	1	2	3	4	
1	OFF	OFF	OFF	OFF	 1 ROLLER UP
2	ON	OFF	OFF	OFF	 2 ROLLERS UP
3	OFF	ON	OFF	OFF	 1 UP, 1 DOWN, 1 UP
4	OFF	OFF	ON	OFF	 1 UP, 2 DOWN, 1 UP
5	ON	ON	OFF	OFF	 1 UP, 1 DOWN, 2 UP
6	OFF	ON	ON	OFF	 1 UP, 2 DOWN, 2 UP
7	ON	OFF	ON	OFF	 1 UP, HOLD FOR TIRE SWITCH, 1 UP ^{'1}
8	ON	ON	ON	OFF	 1 . HOLD FOR TIRE SWITCH, 2 UP ^{'1}
A	—	—	—	ON	 AIR SWITCH SIGNAL FOR AUTOMATIC ROLLER-UP ^{'2}
B	—	—	—	OFF	 AIR SWITCH SIGNAL ON REAR TIRE ONLY ^{'3} (HOLD FOR SIGNAL FOR PROGRAMS 7 & 8)

*¹ THIS NEEDS AN TIRE LOCATION SWITCH (SUCH AS AN AIR TRUDLE SWITCH) WHEN USED THE PROGRAM WILL BRING UP ONE ROLLER THEN DROP THE FORKS UNTILL IT GETS A SIGNAL FROM THE TIRE SWITCH

*² THE #4 SWITCH ALLOWS THE AIR SWITCH TO SIMULATE THE SYSTEM'S ROLLER-UP BUTTON FOR AUTOMATIC ACTIVATION ON ANY PROGRAM THIS CAN BE DONE BY THIS SWITCH OR PUTTING THE SYSTEM INTO AUTOMATIC MODE (SEE: AUTOMATIC MODE FOR REAR WHEEL PUSH SETUP)

*³ THIS IS THE NORMAL SETTING. THE AIR SWITCH WILL ONLY ACTIVATE THE ROLLER-UP FOR THE REAR TIRE IN PROGRAMS 7 AND 8

 = SWITCH IS OFF  = SWITCH IS ON



1 IS OFF
2 IS ON
3 IS OFF
4 IS OFF

ROLLER-UP 400FX PROGRAMMING FOR CUST1 - CUST4

PROGRAM NUMBER	SWITCH CHART				PROGRAM FUNCTION
	1	2	3	4	
1	ON	N/A	N/A	N/A	1 ROLLER UP SWITCH "ON"
2	OFF	N/A	N/A	N/A	2 ROLLERS UP SWITCH "OFF"

☐ - SWITCH IS OFF ☑ - SWITCH IS ON



1 IS OFF
2 IS ON
3 IS OFF
4 IS OFF

- SWITCH #2 IS FOR TIME SPEED SETTING
 OFF IS SLOW (UNDER 125 CARS PER HR)
 ON IS FAST (OVER 125 CARS PER HR)
- SWITCH #3 AND #4 SHOULD BE "OFF" NOT USED

AUTOMATIC MODE FOR REAR WHEEL PUSH SETUP

Switching between normal roller-up and automatically activated roller-up

STEP ONE: Press the RESET button and hold

STEP TWO: MOMENTARILY Press the UP button
(The buzzer and light will activate signaling that the
roller up is in automatic mode.)

STEP THREE: Release the RESET button.

It will now take 2 signals of the UP button or AIR SWITCH before the roller-up will activate. On automatic the LIGHT and BUZZER will activate with the UP or the AIR SWITCH.

Repeat Above steps to reset the roller up to NORMAL

When on automatic mode the air switch will be allowed to signal the roller-up

