Feeding Concepts Inc. – Sensor & Drive Settings Sheet

Customer: Protedyne Corp. Last Revision Date: 11/14/2025

Applies to Job Serial Numbers: FC-24-20752-1 • FC-24-20752-2 • FC-24-20752-3 • FC-24-20752-4 • FC-25-22630-5

FS-N41C Sensor Setup

Changes made from initialization:
1. Set Output Type → PNP
2. Adjust fibers for optimal received light and signal stability
3. Adjust Setpoint (see chart below)
4. Change Operate Mode → Dark-On
5. (Part Present only) Execute Saturation Cancel
6. (Hopper Low Level only) Change Power Mode → Turbo

Sensor Location	Model	Function	Set Point	Operate Mode	Power Mode	Special Functions
Track High Level	FS-N41C	Detects top track level	2500	Dark-On	Standard	—
Track Low Level	FS-N41C	Detects low track level	2500	Dark-On	Standard	—
Hopper Low Level	FS-N41C	Monitors hopper fill	1500	Dark-On	Turbo	—
Part Present	FS-N41C	Detects part at pickup	1000	Dark-On	Standard	Saturation Cancel → Execute

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LR-ZB250CP (Bowl Level Sensor)

1. Teach Background: Press the front TEACH button once, then quickly press and hold it again for more than 3 seconds to teach the background (empty bowl).
2. Setpoint Adjustment: After teaching, adjust the Set Point so the sensor triggers when caps are present at the desired fill level.
3. Operate Mode: Set to Dark-On operation.
4. Verification: Confirm the yellow output LED turns ON when caps are present and OFF when below the fill point.

Model	Function	Teach Mode	Set Point	Operate Mode
LR-ZB250CP	Bowl Level Control	2-Point Teach	12 mm	Dark-On

Rodix VF-393 Drive Controller Settings

Note: These drive settings were saved under **Default 1**. To restore them, navigate to **Default Settings** on the VF-393 and execute the **Restore 1** function.

Drive Unit	Frequency (Hz)	On Delay (s)	Off Delay (s)	20752-1	20752-2	20752-3	20752-4	22630
Bowl	120.0	1.0	1.0	28.0 A	32.0 A	14.5 A	14.0 A	26.0 A
Inline	60.0	—	—	9.0 A	14.0 A	26.4 A	26.0 A	30.4 A
Hopper	60.0	3.5	0.2	35.0 A	43.0 A	22.0 A	36.0 A	27.0 A

If any settings are not listed on this sheet, they remain in their factory default state.