

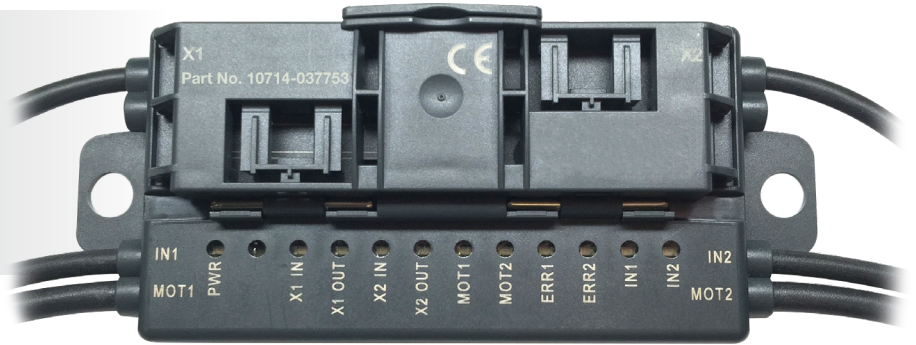
H-20 Auto Control

Control Card Module

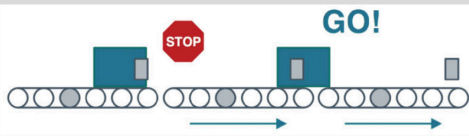
Ethernet/IP protocols in a conveyor environment solved.

Our H-20 ASi Auto Control motor card provides the ultimate power and flexibility of system-level PLC (Programmable Logic Controller) zone control. As an MDR two-zone controller card, H-20 Auto Control acts as a remote IO connection, allowing integrators to use Hilmot's control services or develop their own PLC and visibility strategies. And with its low memory and bandwidth use, the H-20 Auto Control allows for a more cost-effective PLC while still maintaining high data transmission rates.

- Ease of cable management - built-in side frame design
- Reduction of Ethernet/IP master devices
- Reduction of ethernet cables - one per ASi Gateway

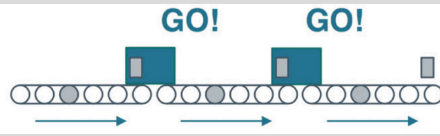


OPERATION MODES



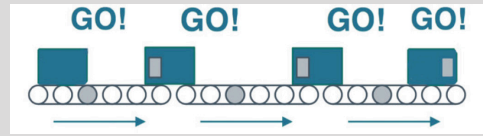
STANDARD ZPA

- Single accumulation / single release
- A packet is only allowed to travel downstream, if the next zone is empty



ENHANCED ZPA

- Block accumulation / block release
- All packets in front of the furthest empty downstream zone are allowed to travel simultaneously



TRANSPORTATION

- No accumulation / block release
- Release signal controls all zones behind

SPECIFICATIONS

MODE SWITCH	OPERATION MODE	SECOND ZONE ACT	ACC/Dir SWITCH	ACCELERATION (full speed time)	DIRECTION	SPEED SWITCH	SPEED SIGNAL
0	Standard ZPA	✓	0	0 ms	CW	0	3.96V
1	Enhanced ZPA	✓	1	500 ms	CW	1	4.78V
2	Standard ZPA - Single Zone	✗	2	1000 ms	CW	2	5.61V
3	Enhanced ZPA - Single Zone	✗	3	1500 ms	CW	3	6.44V
4	Transportation	✓	4	3000 ms	CW	4	8.50V
5	Long Zone - Single Zone	✗	5	0 ms	CCW	5	9.63V
6	Direct Control	✓	6	500 ms	CCW	6	10.00V
7	Direction Control	✗	7	1000 ms	CCW	7	7.26V
8	Reverse	✗	8	1500 ms	CCW	8	N/A
9	N/A	✗	9	3000 ms	CCW	9	N/A

