

# CONTROLLER SELECTION GUIDE

		Controller									
		HLS 16	HLS 21	HLS 33	HLS 44	HLS 44-V	HLS 44-3P	HLS 45	PDS 2	PDS 2.2	HS 2.2
Application	4-pipe fan coil unit control			•	•	•	•				
	2-pipe fan coil unit control							•			
	Floor heating	•	•					•			
	Floor heating/cooling	•						•			
	Chilled beam	•	•	•	•	•	•	•			
	Heating radiator control	•	•	•	•	•	•	•			
	Domestic water temperature control								•		
	Air handling unit control								•		
	Universal controller									•	•
Actuator	Thermal	•	•	•	•	•	•	•	•	•	•
	3-point			•			•	•	•	•	•
	0...10 V			•	•	•	•	•	•	•	•
Function	Control stages	1	2	2/3	2/3	2/3	2/3	1/2	1	1	1
	3-speed fan control with FCRY 3				•	•	•	•			
	EC fan control				•	•	•	•			
	VAV control			•	•	•	•	•			
	Summer/winter	•						•			
	CO <sub>2</sub> based ventilation control				•	•	•	•			
	Lighting control on/off					•					
	Modbus				•	•	•	•	•	•	•
Page	23	24	24	25	25	26	26	27	28	28	

# AIR FLOW PRODUCT SELECTION GUIDE

Application		Air flow measurement products				
		IVL	PEL 2500 <sup>3)</sup>	IML	PEL 2500 <sup>3)</sup> + PP-PK/PP-SK	IML + PP-PK/PP-SK
Fan flow (fan with measuring inlets)	The fan K-value is known			• <sup>1)</sup>		
	The fan K-value is unknown		•			
Flow in duct	Customer's probe for which the K-value is known			•		
	Customer's probe for which the K-value is unknown		•			
	Probe not available (air velocity and temperature measurement)	•				
	Probe not available (air volume measurement)	• <sup>2)</sup>			•	• <sup>1)</sup>
Page		7	8	9	8 and 10	9 and 10

<sup>1)</sup> Supported fan manufacturers: Fläkt Woods, Rosenberg, Comefri, Ziehl-Abegg, ebm-papst, Nicotra and Gebhardt. Universal formula available for other manufacturer's fans.

<sup>2)</sup> Air volume = air velocity x duct cross section area.

<sup>3)</sup> PEL 2500 with flow linear output (Q).