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Application Engineering **BULLETIN**

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Static Pressure of Indoor Ducted Units

When the external static pressure differs from the default static pressure, the static pressure of the indoor ducted unit may need to be changed. Static pressure can be set by using wireless remote controller, wired remote controller, and simple remote controller.

Depending on the indoor unit, there is a static pressure range available, and a standard static pressure.

Slim Duct / Slim Concealed Floor Type		
	Static Pressure Range in.WG(Pa)	**Standard Static Pressure in.WG(Pa)**
ARUL7TLAV	0 to 0.36 (0 to 90)	0.10 (25)
ARUL9TLAV	0 to 0.36 (0 to 90)	0.10 (25)
ARUL12TLAV	0 to 0.36 (0 to 90)	0.10 (25)
ARUL14TLAV	0 to 0.36 (0 to 90)	0.10 (25)
ARUL18TLAV	0 to 0.36 (0 to 90)	0.10 (25)

Medium Static Pressure Duct Type		
	Static Pressure Range in.WG(Pa)	**Standard Static Pressure in.WG(Pa)**
ARUM24TLAV	0 to 0.60 (0 to 150)	0.16 (40)
ARUM30TLAV	0 to 0.60 (0 to 150)	0.16 (40)
ARUM36TLAV	0 to 0.60 (0 to 150)	0.16 (40)

High Static Pressure Duct Type		
	Static Pressure Range in.WG(Pa)	**Standard Static Pressure in.WG(Pa)**
ARUH36TLAV	0.40 to 0.80 (100 to 200)	0.40 (100)
ARUH48TLAV	0.40 to 1.0 (100 to 250)	0.40 (100)
ARUH60TLAV	0.40 to 1.0 (100 to 250)	0.40 (100)
ARUH72TLAV	0 to 1.2 (0 to 300)	0.60 (150)
ARUH96TLAV	0 to 1.2 (0 to 300)	0.60 (150)

The ITEM CODE no. (00 to 31) corresponds to the SP mode for each static pressure value (in.WG or Pa).

Once the desired static pressure is located and the item code noted, this can be input to the function settings on the remote. The function setting for changing static pressure is 26 for all units and remotes. Default setting is the Normal SP.

	Classification	ITEM CODE no.	Setting Mode	ITEM CODE no.	Setting Function
Indoor unitfield setting setting by remote controller	Airflow	26*1	Static Pressure setting - Slim Duct type The Range of static pressure is different from one model to other.	00	SP mode 00 [0 in.WG (0 Pa)]
				01	SP mode 01 [0.04 in.WG (10 Pa)]
				02	SP mode 02 [0.08 in.WG (20 Pa)]
				03	SP mode 03 [0.12 in.WG (30 Pa)]
				04	SP mode 04 [0.16 in.WG (40 Pa)]
				05	SP mode 05 [0.20 in.WG (50 Pa)]
				06	SP mode 06 [0.24 in.WG (60 Pa)]
				07	SP mode 07 [0.28 in.WG (70 Pa)]
				08	SP mode 08 [0.32 in.WG (80 Pa)]
				09	SP mode 09 [0.36 in.WG (90 Pa)]
				31	Normal SP [0.10 in.WG (25 Pa)]
			Static Pressure setting *2*3 - Duct (middle pressure) type The Range of static pressure is different from one model to other.	00	SP mode 00 [0 in.WG (0 Pa)]
				01	SP mode 01 [0.04 in.WG (10 Pa)]
				02	SP mode 02 [0.08 in.WG (20 Pa)]
				03	SP mode 03 [0.12 in.WG (30 Pa)]
				04	SP mode 04 [0.16 in.WG (40 Pa)]
				05	SP mode 05 [0.20 in.WG (50 Pa)]
				06	SP mode 06 [0.24 in.WG (60 Pa)]
				07	SP mode 07 [0.28 in.WG (70 Pa)]
				08	SP mode 08 [0.32 in.WG (80 Pa)]
				09	SP mode 09 [0.36 in.WG (90 Pa)]
				10	SP mode 10 [0.40 in.WG (100 Pa)]
				11	SP mode 11 [0.44 in.WG (110 Pa)]
				12	SP mode 12 [0.48 in.WG (120 Pa)]
				13	SP mode 13 [0.52 in.WG (130 Pa)]
				14	SP mode 14 [0.56 in.WG (140 Pa)]
				31	Normal SP [0.16 in.WG (40 Pa)]
			Static Pressure setting *4*5 - Duct (high pressure) type The Range of static pressure is different from one model to other.	04	SP mode 04 [0.16 in.WG (40 Pa)]
				05	SP mode 05 [0.20 in.WG (50 Pa)]
				06	SP mode 06 [0.24 in.WG (60 Pa)]
				07	SP mode 07 [0.28 in.WG (70 Pa)]
				08	SP mode 08 [0.32 in.WG (80 Pa)]
				09	SP mode 09 [0.36 in.WG (90 Pa)]
				10	SP mode 10 [0.40 in.WG (100 Pa)]
				11	SP mode 11 [0.44 in.WG (110 Pa)]
				12	SP mode 12 [0.48 in.WG (120 Pa)]
				13	SP mode 13 [0.52 in.WG (130 Pa)]
				14	SP mode 14 [0.56 in.WG (140 Pa)]
				15	SP mode 15 [0.60 in.WG (150 Pa)]
				16	SP mode 16 [0.64 in.WG (160 Pa)]
				17	SP mode 17 [0.68 in.WG (170 Pa)]
				18	SP mode 18 [0.72 in.WG (180 Pa)]
				19	SP mode 19 [0.76 in.WG (190 Pa)]
				20	SP mode 20 [0.80 in.WG (200 Pa)]
				21	SP mode 21 [0.84 in.WG (210 Pa)]
				22	SP mode 22 [0.88 in.WG (220 Pa)]
				23	SP mode 23 [0.92 in.WG (230 Pa)]
				24	SP mode 24 [0.96 in.WG (240 Pa)]
				25	SP mode 25 [1.00 in.WG (250 Pa)]
				26	SP mode 26 [1.04 in.WG (260 Pa)]
				27	SP mode 27 [1.08 in.WG (270 Pa)]
				28	SP mode 28 [1.12 in.WG (280 Pa)]
				29	SP mode 29 [1.16 in.WG (290 Pa)]
				30	SP mode 30 [1.20 in.WG (300 Pa)]
				31	Normal SP [0.60 in.WG (150 Pa)]

*1: Please refer to FAN PERFORMANCE CURVE within Design and Technical manual for the features of each setting.

*2: If the Setting Number in ARUM30TLAV is configured to “12 to 14”, the operation is the same as that in “11 (SP mode 11)”.

*3: If the Setting Number in ARUM36TLAV is configured to “10 to 14”, the operation is the same as that in “09 (SP mode 09)”

*4: If the Setting Number in ARUH96TLAV is configured to “30”, the operation is the same as that in “29 (SP mode 29)”.

Model name	Range of static pressure mode	Normal static pressure
ARUL7TLAV	SP mode 00 to 09	0.10 in.WG (25 Pa)
ARUL9TLAV		
ARUL12TLAV		
ARUL14TLAV		
ARUL18TLAV		
ARUM24TLAV	SP mode 00 to 14	0.16 in.WG (40Pa)
ARUM30TLAV	SP mode 00 to 11	
ARUM36TLAV	SP mode 00 to 09	
ARUH72TLAV1	SP mode 05 to 30	0.60 in.WG (150Pa)
ARUH96TLAV	SP mode 05 to 29	