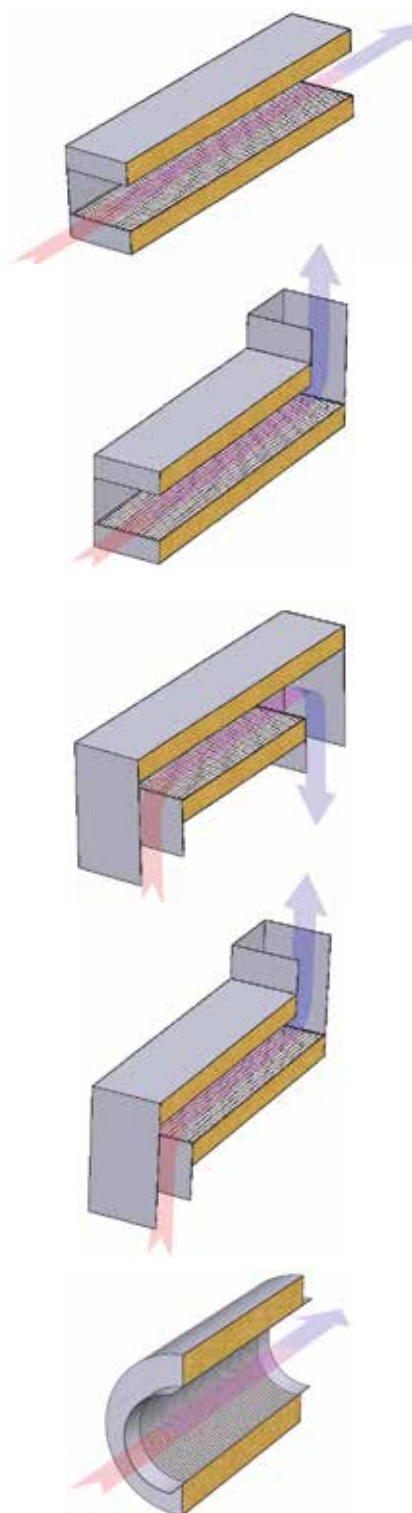


Cross Talk Attenuators

For airflow and acoustic privacy between spaces

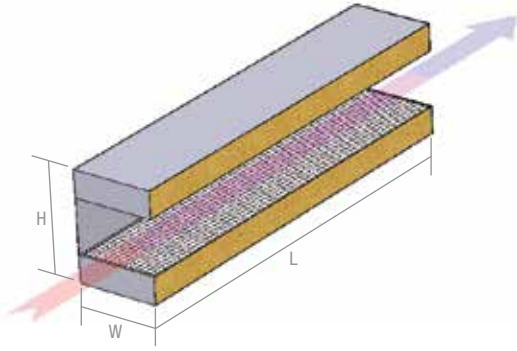


Designed for air relief applications, where acoustic privacy between spaces is required.

- Range of configurations to suit various space layouts within ceilings and walls.
- Range of sizes for differing airflows and performance levels.
- Can be customised for special applications.

Casings are manufactured from pre-galvanised sheet steel. Splitter modules are constructed from pre-galvanised sheet steel frames. The porous infill material may be protected behind a layer of galvanised perforated sheet steel.

XTS CROSS TALK ATTENUATORS



XTS: Straight relief cross talk attenuator. No change of direction. Generally used between rooms.

PRESSURE LOSS

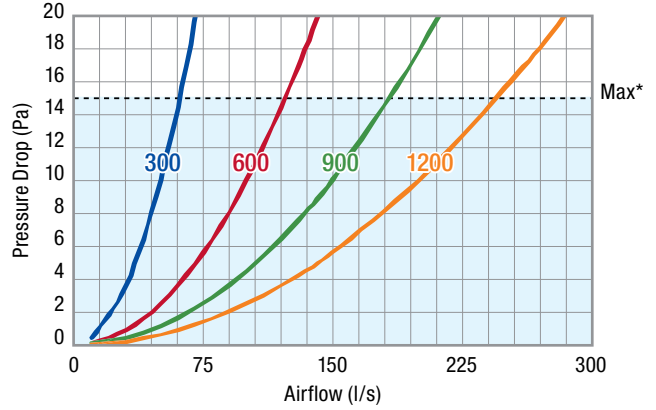
Graphs illustrate the 1800 long XTS Cross Talk attenuator's performance, 1200 long models marginally lower. For practical purposes use this graph.

XTS CROSS TALK ATTENUATORS DATA											
Model	Dimensions (mm)			Insertion Loss (dB) Frequency (Hz)					Mass (kg)	Max Airflow (l/s)	
	L	H	W	125	250	500	1k	2k			4k
XTS-250-12	1200	250	300	29	40	50	50	50	47	16	60
			600	27	38	50	50	50	47	27	135
			900	25	37	50	50	50	47	37	190
			1200	24	37	50	50	50	47	48	245
XTS-300-12	1200	300	300	21	30	40	44	44	38	17	125
			600	19	28	40	44	44	38	28	250
			900	17	27	39	44	44	38	38	375
			1200	17	26	39	44	44	38	49	480
XTS-350-12	1200	350	300	17	24	33	42	36	25	18	190
			600	15	22	32	42	36	25	29	360
			900	14	22	32	42	36	25	39	550
			1200	13	21	32	42	36	25	50	720
XTS-250-18	1800	250	300	37	50	50	50	50	24	60	
			600	35	50	50	50	50	39	135	
			900	33	50	50	50	50	54	190	
			1200	32	50	50	50	50	69	245	
XTS-300-18	1800	300	300	26	37	50	50	50	25	125	
			600	24	35	50	50	50	41	250	
			900	22	34	50	50	50	56	375	
			1200	22	33	50	50	50	71	480	
XTS-350-18	1800	350	300	21	32	48	50	48	31	27	190
			600	19	30	47	50	48	31	42	360
			900	18	30	47	50	48	31	57	550
			1200	17	29	47	50	48	31	73	720

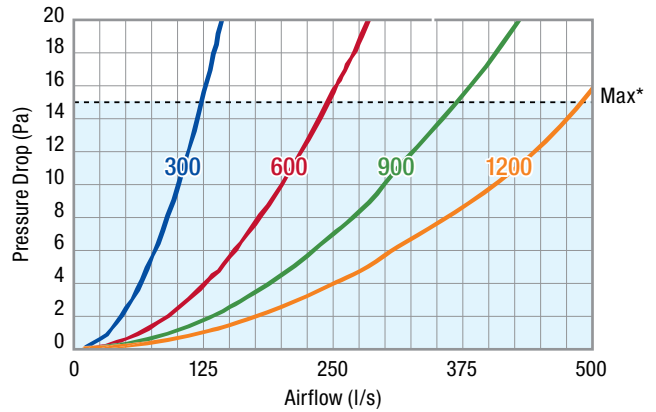
L = Length – excludes spigots (standard spigot 100mm).

Acoustic performance is based on the NCS range of rectangular splitter type attenuators. The listed static insertion loss figures include end reflection allowances so that the listed performance may be used without further calculation. The addition of duct work alters performance as the end reflection allowances are affected.

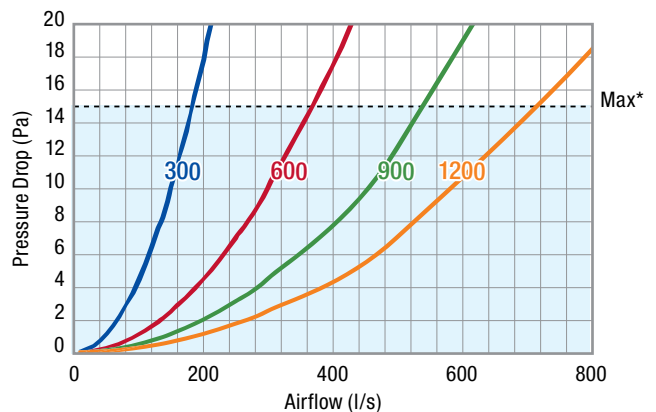
XTS-250-18



XTS-300-18



XTS-350-18

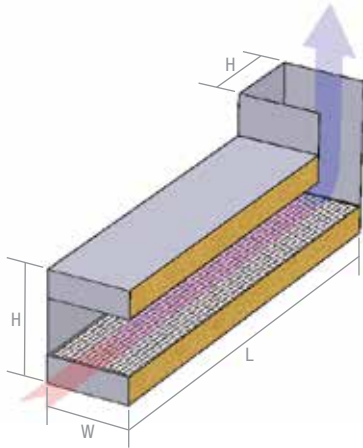


* NCS Acoustics Cross Talk Attenuators are designed for optimum results with a pressure drop of under 15 Pa. Exceeding this level may cause regenerated noise, and/or whistling from closed doors or other air inlets. The recommended selection zone is marked on graphs by shading and 'Max*' dashed line.

INSTALLATION

Flanges usually not required but can be supplied.
Grilles not supplied.

XTL CROSS TALK ATTENUATORS



XTL: 'L' path cross talk attenuator, incorporating one elbow. Generally used for ceiling to plenum layouts.

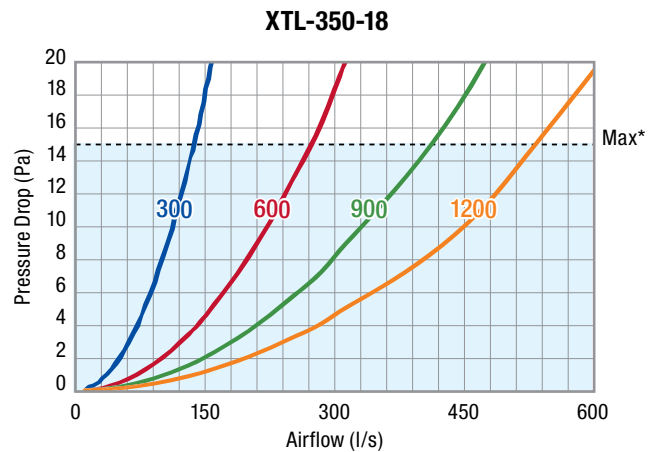
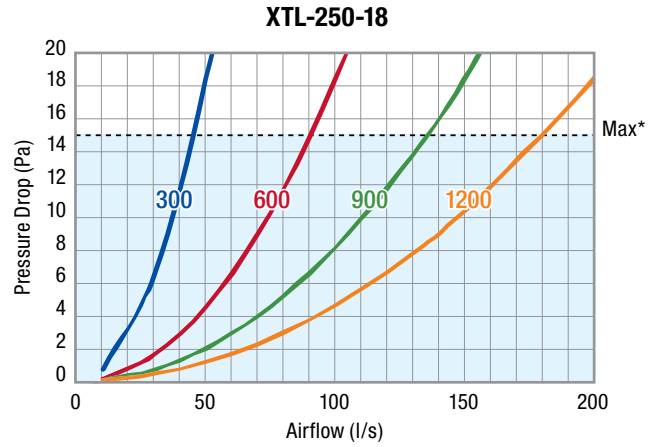
XTL CROSS TALK ATTENUATORS DATA											
Model	Dimensions (mm)			Insertion Loss (dB) Frequency (Hz)						Mass (kg)	Max Airflow (l/s)
	L	H	W	125	250	500	1k	2k	4k		
XTL-250-12	1450	250	300	27	36	50	50	49	45	16	45
			600	25	34	50	50	49	45	25	90
			900	23	33	50	50	49	45	35	135
			1200	22	33	50	50	49	45	45	180
XTL-300-12	1500	300	300	20	28	42	47	42	36	17	90
			600	18	26	42	47	42	36	26	180
			900	16	25	41	47	42	36	36	270
			1200	16	24	41	47	42	36	45	360
XTL-350-12	1550	350	300	16	24	37	43	35	25	18	135
			600	14	21	35	42	34	24	27	270
			900	13	21	35	42	34	24	36	420
			1200	12	20	35	42	34	24	46	540
XTL-250-18	2050	250	300	35	50	50	50	51	50	23	45
			600	33	48	50	50	51	50	38	90
			900	31	47	50	50	51	50	52	135
			1200	30	47	50	50	51	50	66	180
XTL-300-18	2100	300	300	25	35	50	50	49	49	25	90
			600	23	33	50	50	49	49	39	180
			900	21	32	50	50	49	49	53	270
			1200	21	31	50	50	49	49	67	360
XTL-350-18	2150	350	300	20	31	50	50	46	31	26	135
			600	18	29	50	50	46	31	40	270
			900	17	29	50	50	46	31	54	420
			1200	16	28	50	50	46	31	68	540

L = Length – includes 1 spigot (standard spigot 100mm).

Acoustic performance is based on the NCS range of rectangular splitter type attenuators. The listed static insertion loss figures include end reflection allowances so that the listed performance may be used without further calculation. The addition of duct work alters performance as the end reflection allowances are affected.

PRESSURE LOSS

Graphs illustrate the 1800 long XTL Cross Talk attenuator's performance, 1200 long models marginally lower. For practical purposes use this graph.

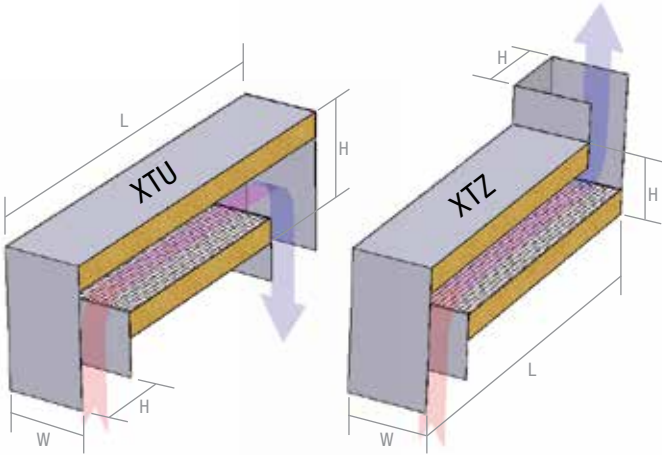


* NCS Acoustics Cross Talk Attenuators are designed for optimum results with a pressure drop of under 15 Pa. Exceeding this level may cause regenerated noise, and/or whistling from closed doors or other air inlets. The recommended selection zone is marked on graphs by shading and 'Max*' dashed line.

INSTALLATION

Flanges usually not required but can be supplied.
Grilles not supplied.

XTU AND XTZ CROSS TALK ATTENUATORS



XTU: 'U' path cross talk attenuator, incorporating two elbows. Generally used for ceiling to ceiling applications.

XTZ: 'Z' path cross talk attenuator, incorporating two opposite elbows. Used for wall mounted transfer or relief.

XTU & XTZ CROSS TALK ATTENUATORS DATA

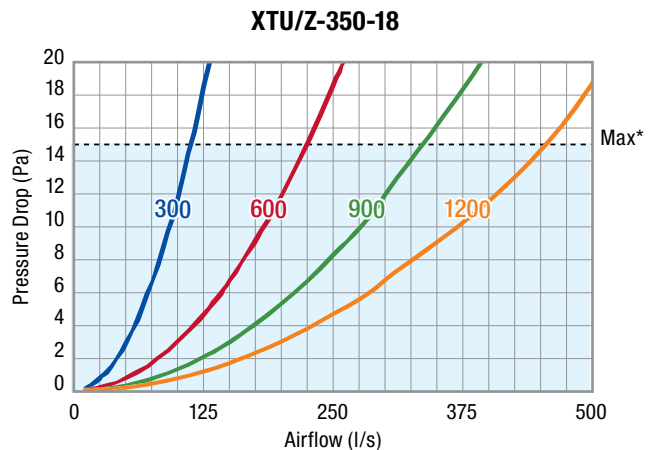
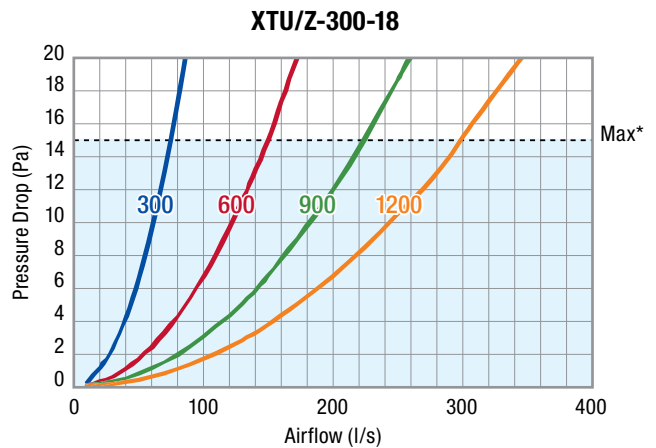
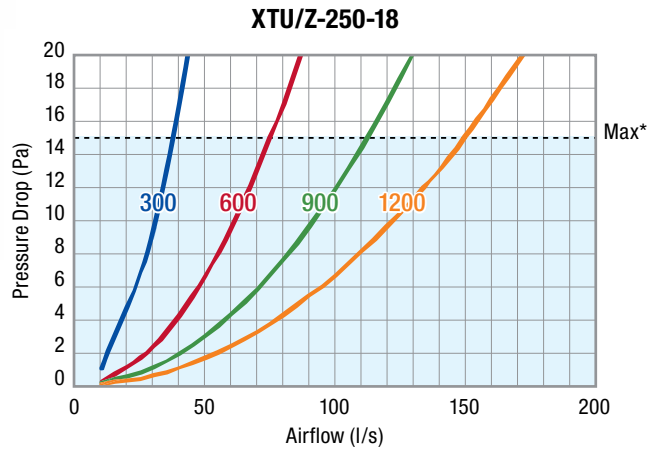
Model	Dimensions (mm)			Insertion Loss (dB) Frequency (Hz)					Mass (kg)	Max Airflow (l/s)	
	L	H	W	125	250	500	1k	2k			4k
XTU-250-12 XTZ-250-12	1700	250	300	25	33	50	50	48	43	15	38
			600	23	31	50	50	48	43	24	75
			900	21	30	50	50	48	43	33	110
			1200	20	30	50	50	48	43	42	150
XTU-300-12 XTZ-300-12	1800	300	300	18	26	44	49	39	35	16	70
			600	16	24	44	49	39	35	24	150
			900	14	23	43	49	39	35	33	220
			1200	14	22	43	49	39	35	41	300
XTU-350-12 XTZ-350-12	1900	350	300	15	23	40	45	33	25	17	110
			600	13	21	39	45	33	25	25	230
			900	12	21	39	45	33	25	33	345
			1200	11	20	39	45	33	25	41	440
XTU-250-18 XTZ-250-18	2300	250	300	33	46	50	50	51	49	23	38
			600	31	44	50	50	51	49	36	75
			900	29	43	50	50	51	49	50	110
			1200	28	43	50	50	51	49	63	150
XTU-300-18 XTZ-300-18	2400	300	300	23	34	50	50	48	48	24	70
			600	21	32	50	50	48	48	37	150
			900	19	31	50	50	48	48	50	220
			1200	19	30	50	50	48	48	63	300
XTU-350-18 XTZ-350-18	2500	350	300	19	31	50	50	46	32	25	110
			600	17	29	50	50	46	32	38	230
			900	16	29	50	50	46	32	51	345
			1200	15	28	50	50	46	32	64	440

L = Length – includes 2 spigots (standard spigot 100mm).

Acoustic performance is based on the NCS range of rectangular splitter type attenuators. The listed static insertion loss figures include end reflection allowances so that the listed performance may be used without further calculation. The addition of duct work alters performance as the end reflection allowances are affected.

PRESSURE LOSS

Graphs illustrate the 1800 long XTU and XTZ Cross Talk attenuator's performance, 1200 long models marginally lower. For practical purposes use this graph.

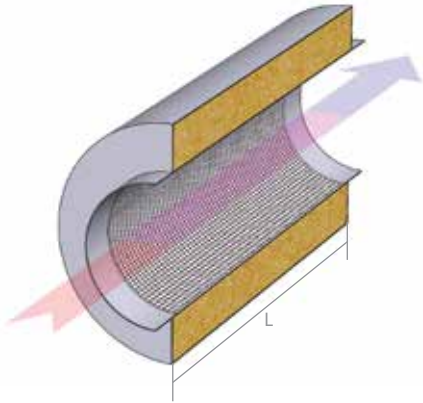


* NCS Acoustics Cross Talk Attenuators are designed for optimum results with a pressure drop of under 15 Pa. Exceeding this level may cause regenerated noise, and/or whistling from closed doors or other air inlets. The recommended selection zone is marked on graphs by shading and 'Max*' dashed line.

INSTALLATION

Flanges usually not required but can be supplied.
Grilles not supplied.

XTC CROSS TALK ATTENUATORS



STATIC INSERTION LOSS (dB) & MASS

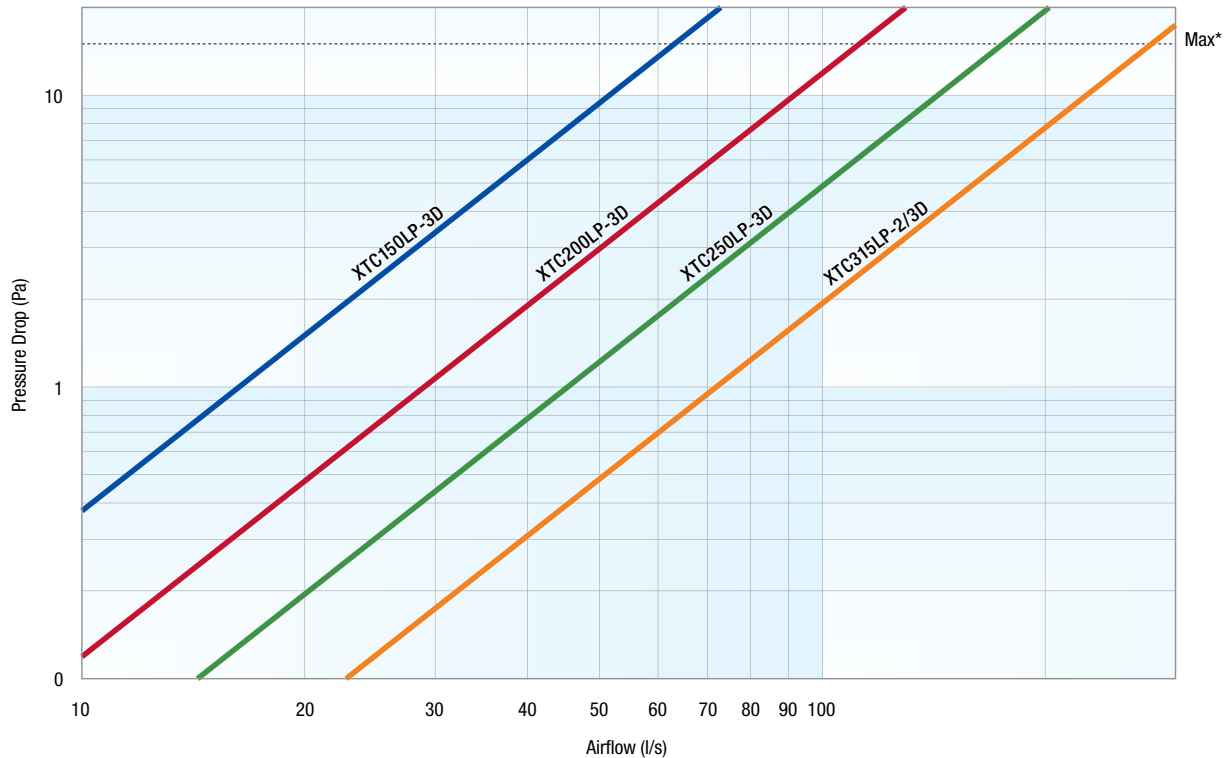
Model	Width OD/Len	Insertion Loss (dB) Frequency (Hz)						Mass (kg)	Max Airflow (l/s)
		125	250	500	1k	2k	4k		
XTC-150LP-3D	250/450	9	15	21	33	33	26	4.6	65
XTC-200LP-3D	300/600	6	10	21	33	29	16	9.8	110
XTC-250LP-3D	350/750	6	11	24	37	23	14	11.5	170
XTC-315LP-2D	455/600	8	12	17	23	17	13	15	280
XTC-315LP-3D	455/900	9	14	21	32	26	20	22	280

L = Length – excludes spigots (standard spigot 100mm).

XTC: Straight relief cylindrical cross talk attenuator. No change of direction. Generally used between rooms. Standard models held in stock, making them a fast and economical choice.

Acoustic performance is based on the NCS Acoustics range of LP HVAC Cylindrical Attenuators. The listed static insertion loss figures include end reflection allowances so that the listed performance may be used without further calculation. The addition of duct work alters performance as the end reflection allowances are affected.

PRESSURE LOSS



* NCS Acoustics Cross Talk Attenuators are designed for optimum results with a pressure drop of under 15 Pa. Exceeding this level may cause regenerated noise, and/or whistling from closed doors or other air inlets. The recommended selection zone is marked on graphs by shading and 'Max' dashed line.

INSTALLATION

Grilles not supplied.

ADDITIONAL INFORMATION

Visit our website or contact us for information on installation, testing, monitoring, maintenance services and technical guides.

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