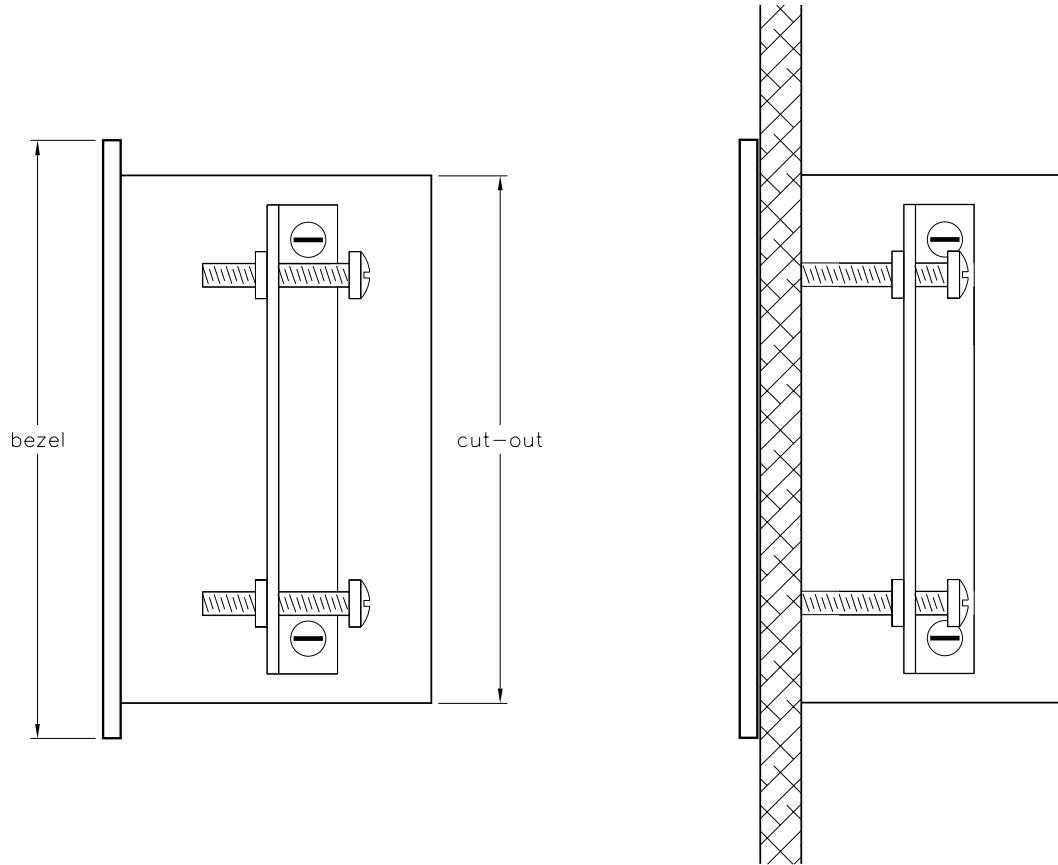




**Mounting Details of Flush Panel
 Mounting cases**

Flush mounting style clocks are designed to be fitted in a panel, as shown in the drawings below. The clock is secured in the panel by side mounted brackets, tightened from the rear.



The tables below list the required panel cut-out size, along with basic dimensions for our standard range of flush panel mounting clocks. Please contact our technical department if the product you are interested in is not listed.

Clock	Front bezel size Width x Height	Minimum panel cut-out Width x Height	Depth of clock	Maximum panel thickness
401A.02.x.FP	144 x 72mm (5.7 x 2.8")	132 x 58mm (5.2 x 2.3")	149mm (5.9")	16mm (0.6")
401A.05.x.FP	317 x 102mm (12.4 x 4.0")	305 x 90mm (12.0 x 3.6")	58mm (2.3")	22mm (0.9")
401A.057.x.FP	402 x 102mm (15.8 x 4.0")	390 x 90mm (15.4 x 3.6")	58mm (2.3")	22mm (0.9")
401A.100.x.FP	682 x 192mm (26.9 x 7.6")	670 x 180mm (26.4 x 7.1")	58mm (2.3")	22mm (0.9")
401A.12.x.FP	682 x 192mm (26.9 x 7.6")	670 x 180mm (26.4 x 7.1")	58mm (2.3")	22mm (0.9")
420A.02.x.FP	144 x 72mm (5.7 x 2.8")	132 x 58mm (5.2 x 2.3")	149mm (5.9")	16mm (0.6")
420A.05.x.FP	252 x 102mm (9.9 x 4.0")	240 x 90mm (9.5 x 3.6")	58mm (2.3")	22mm (0.9")
420A.057.x.FP	317 x 102mm (12.4 x 4.0")	305 x 90mm (12.0 x 3.6")	58mm (2.3")	22mm (0.9")
420A.100.x.FP	492 x 192mm (19.4 x 7.6")	480 x 180mm (18.9 x 7.1")	58mm (2.3")	22mm (0.9")
420A.12.x.FP	492 x 192mm (19.4 x 7.6")	480 x 180mm (18.9 x 7.1")	58mm (2.3")	22mm (0.9")



Mounting Details of Flush Panel
Mounting cases cont..

Clock	Front bezel size Width x Height	Minimum panel cut-out Width x Height	Depth of clock	Maximum panel thickness
450A.05.x.FP	562 x 102mm (22.1 x 4.0")	550 x 90mm (21.7 x 3.6")	58mm (2.3 ^{'''})	22mm (0.8")
450A.12.x.FP	1462 x 192mm (57.6 x 7.6")	1450 x 180mm (57.1 x 7.1")	58mm (2.3 ^{'''})	22mm (0.8")
451A.05.x.FP	562 x 102mm (22.1 x 4.0")	550 x 90mm (21.7 x 3.6")	58mm (2.3 ^{'''})	22mm (0.8")
452A.05.x.FP	492 x 192mm (19.4 x 7.6")	480 x 180mm (18.9 x 7.1")	58mm (2.3 ^{'''})	22mm (0.8")
452A.12.x.FP	952 x 412mm (37.5 x 16.2")	940 x 400mm (37.1 x 15.8")	58mm (2.3 ^{'''})	22mm (0.8")
453A.05.x.FP	492 x 192mm (19.4 x 7.6")	480 x 180mm (18.9 x 7.1")	58mm (2.3 ^{'''})	22mm (0.8")
453A.12.x.FP	952 x 412mm (37.5 x 16.2")	940 x 400mm (37.1 x 15.8")	58mm (2.3 ^{'''})	22mm (0.8")
454A.05.x.FP	312 x 312mm (12.3 x 12.3")	300 x 300mm (11.9 x 11.9")	58mm (2.3 ^{'''})	22mm (0.8")
454A.12.x.FP	612 x 612mm (24.1 x 24.1")	600 x 600mm (23.7 x 23.7")	58mm (2.3 ^{'''})	22mm (0.8")
455A.057.x.FP	462 x 252mm (18.2 x 9.9")	450 x 240mm (17.8 x 9.5")	58mm (2.3 ^{'''})	22mm (0.8")
455A.100.x.FP	812 x 432mm (32.0 x 17.0")	800 x 420mm (31.5 x 16.6")	58mm (2.3 ^{'''})	22mm (0.8")
458A.057.x.FP	462 x 252mm (18.2 x 9.9")	450 x 240mm (17.8 x 9.5")	58mm (2.3 ^{'''})	22mm (0.8")
460A.05.x.FP	472 x 102mm (18.6 x 4.0")	460 x 90mm (18.2 x 3.6")	58mm (2.3 ^{'''})	22mm (0.8")
460A.12.x.FP	1142 x 192mm (45.0 x 7.6")	1130 x 180mm (44.5 x 7.1")	58mm (2.3 ^{'''})	22mm (0.8")
467A.05.x.FP	472 x 102mm (18.6 x 4.0")	460 x 90mm (18.2 x 3.6")	58mm (2.3 ^{'''})	22mm (0.8")
490A.01.x.FP	124 x 124mm (4.9 x 4.9")	112 x 112mm (4.5 x 4.5")	58mm (2.3 ^{'''})	16mm (0.6")
490A.02.x.FP	156 x 156mm (6.1 x 6.1")	144 x 144mm (5.7 x 5.7")	58mm (2.3 ^{'''})	22mm (0.8")
490A.05.x.FP	312 x 312mm (12.3 x 12.3")	300 x 300mm (11.9 x 11.9")	58mm (2.3 ^{'''})	22mm (0.8")

Wharton Electronics Ltd

Unit 15, Thame Park Business Centre, Wenman Road, Thame, Oxfordshire, England. OX9 3XA

Technical Email: support@wharton.co.uk

WWW: <http://www.wharton.co.uk>

Telephone: +44 (0) 1844 260567 Fax: +44 (0) 1844 218855