CELEGON
SMART OPENING SYSTEMS

ERGON®
LIVING
FOLDING

TECHNICAL MANUAL - CONSTRUCTION

Swinging sliding Folding pivot door with adjustable external frame
Up to 6 door leaves

all the drawings in this manual are reserved by law - reproduction and disclosure without authorization is prohibited

INDEX

Introduction ... pag. 3
Parts list ... pag. 4
Accessories ... pag. 5
Equipments ... pag. 6
Horizontal sections ... pag. 7
Legend for dimensional drawings ... pag. 8
Horizontal dimensional drawings - equipments with 2 doors leaf ... pag. 8
Horizontal dimensional drawings - equipments with 3 doors leaf ... pag. 9
Horizontal dimensional drawings - equipments with 4 doors leaf ... pag. 10
Horizontal dimensional drawings - equipments with 5 doors leaf ... pag. 11
Horizontal dimensional drawings - equipments with 6 doors leaf ... pag. 12
Vertical ceiling sections ... pag. 13
Ceiling vertical dimensional drawings ... pag. 14
Vertical section on false ceiling ... pag. 15
Vertical dimensional drawings on false ceiling ... pag. 16
Working position according to the equipments "A; D; H; L" ... pag. 17
Working position according to the equipments "B; E; I; M" ... pag. 18
Working position according to the equipments "C; F; G" ... pag. 19
Plate processing specification 155S e 155F1 ... pag. 20
Plate processing specification 155F2 e 155F3 ... pag. 21
Specifications of door leaf processing for gasket ... pag. 22
Folding hinge kit exploded view (optional) ... pag. 23
Folding hinge positioning (optional) ... pag. 24
Workings doors leaf for Folding hinges (optional) ... pag. 25
Folding hinge assembly (optional) ... pag. 26
Folding door leaf locking options ... pag. 27
"Soft Opening S1" installation ... pag. 28
"Soft Opening Plus" installation ... pag. 29
Junction kit ... pag. 30

INTRODUCTION

Ergon Living FOLDING is an evolution of the Ergon Living T.E. system, it allows the rototranslating movement of several door leaves connected to each other by moving only the outermost door leaf, it has no floor guides and the movement is fluid and stable.

The system features an aluminum frame equipped with special adjustments to ensure correct installation

Patent pending

TECHNICAL FEATURES:

- Door leaf thickness from 40 to 55 mm
- Single leaf weight limit: 70Kg
- Weight limit for folding door leaves: 50kg per door leaf
- Can be installed directly on the ceiling (see page 14) or on a false ceiling (see page 16)

DOWNLOAD ON www.celegon.it:

- Calculator for developing measurements and fittings: enter the wall opening width and height measurements, enter with or without false ceiling, select the desired fitting.
- Video animation for the correct installation of the whole system.

PARTS LIST

	Carriage for single door leaf Ref. 155S
	Carriage for 1^ folding door leaf Ref. 155F1
	Carriage for folding door leaves with adjustable plate Ref. 155F2
	Carriage for folding door leaves adjustable with plate and Soft Opening Ref. 155F3
	Upper and lower arm Ref. 185F
	Arm cap Ref. 186F
	Rod cover upright profile (with or without rod)
	External frame profile
	External frame profile cover
	Track profile Ref. 100F
	Track cover profile Ref. 145F
	Upper and lower arm plate Ref. 175.1
	Outer frame alignment plug Ref. 426F
	Clips for hooking the veil profile on external frame profile Ref. 397F
	Track cover fixing pin Ref. 250F

	Upper bracket Ref. 130F
	Lower bracket Ref. 195
	Hex screwdriver 2,5mm Ref. 280
	Double 3 mm hex key for Folding carriage adjustment Ref. 405F
	Special hex key 7mm for adjustable carriage Ref. 415F
	Sponge cleaner for track Ref. 420

ACCESSORIES	
	Push&Go EVO striker plate Ref. 393 See p. 27 Obligatory for equipments B,C,E,F,G,I,M
	False ceiling fixing system Ref. 422F; Ref.424F
Ref.428F Ref.430F	Components for external profile and track connection
	Folding hinge (optional)
	Soft Opening S1 single leaf (optional) Ref. 410S
	Soft Opening Plus with folding door bearings (optional) Ref. 410F

ACCESSORIES

FOLDING HINGES: assemblable and specially designed for the Folding system -

Item code:
C701000F1 BLACK
C721000F1 STAINLESS

BALLOON GASKET Ø6,8 mm: see pag. 21 "leaf processing specifications for gasket"

Item code:
GS680--- (see price list)

- SOFT OPENING S1: damper for single door leaf

- SOFT OPENING PLUS: damper for Folding door leaves

Horizontal external frame and track joint kit

Push&Go EVO: Quick release system for Folding door leaves

Item code Push:
4100-- (see price list)

EQUIPMENTS

Equipment "A"
Single folding opening with 2 door leaves
Wall Hole Width: Minimum 1245 - Max 2585

Equipment "B"
Double opening: single + folding with 2 door leaves
Wall Hole Width: Minimum 1910 - Max 3780

Equipment "C"
Double folding opening with 2 door leaves
Wall Hole Width: Minimum 2300 - Max 4980

Equipment "D"
Single folding opening with 3 door leaves
Wall Hole Width: Minimum 1990 - Max 3790

Equipment "E"
Double opening: single + folding with 3 door leaves
Wall Hole Width: Minimum 2530 - Max 4980

Equipment "F"
Double opening: folding with 2 doors + folding with 3 door leaves
Wall Hole Width: Minimum 2925 - Max 6185

Equipment "G"
Double opening: folding with 3 door leaves
Wall Hole Width: Minimum 3790 - Max 6550

Equipment "H"
Single folding opening with 4 door leaves
Wall Hole Width: Minimum 2310 - Max 4990

Equipment "I"
Double opening: single + folding with 4 door leaves
Wall Hole Width: Minimum 2975 - Max 6185

Equipment "L"
Single folding opening with 5 door leaves
Wall Hole Width: Minimum 3195 - Max 6195

Equipment "M"
Double opening: single + folding with 5 door leaves
Wall Hole Width: Minimum 3660 - Max 6550

Use the calculator to get all the measurements you need
For other setups, ask Celegon S.r.l. for feasibility.

HORIZONTAL SECTIONS

Horizontal section applied to the stile

Horizontal section applied to the wall

LEGEND FOR DIMENSIONAL DRAWINGS

LFM = WALL HOLE WIDTH
LP = PASSAGE DIMENSION
LPD = DOUBLE PASSAGE DIMENSION
LS = DOOR JAMB OPENING
LA1 = SINGLE DOOR WIDTH
LA2 = DOOR WIDTH WITH TWO CONSECUTIVE DOOR LEAVES
LA3 = DOOR WIDTH WITH THREE CONSECUTIVE DOOR LEAVES
LA4 = DOOR WIDTH WITH FOUR CONSECUTIVE DOOR LEAVES
LA5 = DOOR WIDTH WITH FIVE CONSECUTIVE DOOR LEAVES
QF = QC = FIXED DIMENSION ENCUMBRANCE ARM-SIDE = CARRIAGE DIMENSION (391,3)
QV = VARIABLE DIMENSION ENCUMBRANCE HANDLE-SIDE
HP = PASSAGE HEIGHT DIMENSION
HA = DOOR LEAF HEIGHT
HFM = WALL HOLE HEIGHT
HC = FALSE CEILING HEIGHT

HORIZONTAL DIMENSIONAL DRAWINGS - **EQUIPMENTS WITH 2 DOOR LEAVES**

EQUIPMENT "A"

HORIZONTAL DIMENSIONAL DRAWINGS - **EQUIPMENTS WITH 3 DOOR LEAVES**

EQUIPMENT "B"

EQUIPMENT "D"

HORIZONTAL DIMENSIONAL DRAWINGS - **EQUIPMENTS WITH 4 DOOR LEAVES**

EQUIPMENT "C"

EQUIPMENT "E"

EQUIPMENT "H"

HORIZONTAL DIMENSIONAL DRAWINGS - **EQUIPMENTS WITH 5 DOOR LEAVES**

EQUIPMENT "F"

EQUIPMENT "I"

EQUIPMENT "L"

HORIZONTAL DIMENSIONAL DRAWINGS - **EQUIPMENTS WITH 6 DOOR LEAVES**

EQUIPMENT "G"

EQUIPMENT "M"

VERTICAL CEILING SECTIONS

VERTICAL DIMENSIONAL DRAWINGS ON THE CEILING

HP = HFM-75
HA = HFM-92

When ordering the rod kit, the wall opening size (HFM) must be provided. According to the communicated dimensions will be supplied a customised rod kit

Max size HFM 4092 mm
Max size HP 4017 mm
For larger sizes, ask Celegon S.r.l. for feasibility.

VERTICAL SECTION ON FALSE CEILING

VERTICAL DIMENSIONAL DRAWINGS ON THE FALSE CEILING

HP = HC-18
HA = HC-35

When ordering the rod kit, the measurement of the height of the false ceiling (HC) must be provided.
According to the communicated dimensions will be supplied a customised rod kit

Max size HC 4035 mm
Max size HP 4017 mm
For larger sizes, ask Celegon S.r.l. for feasibility.

PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "A; D; H; L"

Single openings: Folding

EQUIPMENT "A" - Folding with 2 door leaves

EQUIPMENT "D" - Folding with 3 door leaves

EQUIPMENT "H" - Folding with 4 door leaves

EQUIPMENT "L" - Folding with 5 door leaves

PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "B; E; I; M"

Double openings: Folding + single

EQUIPMENT "B" - Single + folding with 2 door leaves

EQUIPMENT "E" - Single + folding with 3 door leaves

EQUIPMENT "I" - Single + folding with 4 door leaves

EQUIPMENT "M" - Single + folding with 5 door leaves

PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "C; F; G"

Double openings: Folding

EQUIPMENT "C" - Folding with 2 door leaves + 2 door leaves

EQUIPMENT "F" - Folding with 3 door leaves + 2 door leaves

EQUIPMENT "G" - Folding with 3 door leaves + 3 door leaves

155S and 155F1 PLATE PROCESSING SPECIFICATIONS

Example equipment "M"

155F2 and 155F3 PLATE PROCESSING SPECIFICATIONS

DOOR LEAF PROCESSING SPECIFICATIONS FOR THE GASKET

Item code gasket Roverplastik A 109 S 68

Detail on the door leaf processing

EXPLODED VIEW OF HINGES KIT

Hinge Right

Hinge Left

Parts		
Ref.	Q.ty	*Description*
422	1	Right hinge curved element
424	1	Right hinge flat element
426	2	Elements union screw M5
428	1	Left hinge curved element
430	1	Left hinge flat element
432	8	Screw for wood TSPtorx Ø4x30

Detail A

Detail B

POSITIONING HINGES

Detail C

Detail D

DOOR LEAVES PROCESSING

Detail E

Door Leaf 2

Door Leaf 1

Detail F

HINGES ASSEMBLY

For door leaves with a thickness bigger than 50 mm, a processing must be carried out as shown in the drawing below, which is useful for inserting the screw (426)

Separate the hinge by completely unscrewing the joining screw (426), fix the single elements on the top and on the bottom of the door leaves

After hanging the doors on the track, put the doors together and join them using the joining screw (426), making sure that the brass bearing and the plastic washer are present

FOLDING DOOR LEAF LOCKING OPTIONS

Obligatory for equipments B,C,E,F,G,I,M

Push&Go EVO (advised)

WITH BOLT

WITH LOCK FOR FOLDING DOORS

"SOFT OPENING S1" INSTALLATION

Parts list		
Ref.	Q.ty	Description
404	2	Screw TSP+ M3x8 - ISO 7046
410S	1	Soft Opening S1

1) *Push hook (A) to set the Soft Opening (410S).*
Mount Soft Opening unit using the screw provided (404).

2) *Verify that the Soft Opening system functions propely.*
Finish installing door.

"SOFT OPENING PLUS" INSTALLATION

Parts list		
Ref.	Q.ty	Description
404	2	Screw TSP+ M3x8 - ISO 7046
410F	1	Soft Opening PLUS

1) *Push hook (A) to set the Soft Opening (410F).*
Mount Soft Opening unit using the screw provided (404).

2) *Verify that the Soft Opening system functions propely.*
Finish installing door.

JUNCTION KIT

Parts list		
Ref.	Q.ty	Description
1	1	Track junction element
2	2	Track profile
3	1	External frame connection element
4	2	External frame profile
5	4	Flat countersunk Head Screw M6x25

Insert the profile junction plate and tighten the M6 x 25 screws

Infilare la giunzione nei binari ed agire sui grani M6 per bloccare il tutto

NOTES

DOWNLOAD on www.celegon.it:

- Calculator for the development of measurements and equipments: enter the wall opening width and height measurements, enter with or without false ceiling, select the desired equipment.
- Video animation for the correct installation of the whole system.

The company reserves the right to make, at any time, without prior notice, all the technical and aesthetic modifications it considers appropriate to improve the quality and functionality of the products.

All contents of this manual are covered by copyright.
It's forbidden reproduction, even partial, of texts and technical drawings, without prior written authorization of Celegon S.r.l.. Any abuse will be prosecuted according to the law.

CELEGON
SMART OPENING SYSTEMS

ERGON living® it's CELEGON's idea
30035 Mirano (Venezia) | Via G. Galilei, 6 - Z.I.
T +39 041 572 8404 | F +39 041 572 8522
www.celegon.it | info@celegon.it