CARGO-2P

MKN | Technical manual | Reading edition

Technical content from the original MKN document, reorganized for computer, mobile and printed reading. Diagrams and board markings are preserved. Check the model and revision before installation. Reference translation; consult the Portuguese original if in doubt.

MKN-CARGO MKN Cargo Assembler

**** ATTENTION *** MKN-Cargo is exclusively for load-mounting devices for transporting materials and should NOT be used to transport people or live loads. For this, there are specific products on the market that follow global safety standards and are approved by Inmetro.

with 2 stops

MAIN FEATURE:

• For motor/single phase hoist up to 1/2cv in 110/220V.

• Accepts interface contactor INT-TRF from MKN for connection of motor of up to 1,5cv in single phase, or three-phase 220V/380V

• Can be used in electrical panels to control higher power contactors (1, 2, 5, 10cv, etc.).

• Input for open door and/or emergency sensor

CONNECTION TERMINALS:

NETWORK: 110V/220V network input (automatic) COM: motor common wire DOWN and UP: Other motor wires CAP (x2): motor capacitor EMERG (x2): Emergency sensor. It must be connected to the door closed switch. If this sensor is opened, control board immediately stops the movement of motor. START and END SENSORS: These are the stop sensors push button: push buttons to command the ascent or descent GND: Common between the sensors and push button

Page: 02 Page: 02 Page: 01 Page: 01

Review: 00

INSTALLING THE control board:

**** ATTENTION *** MKN-Cargo is exclusively for load-mounting devices for transporting materials and should NOT be used to transport people or live loads. For this, there are specific products on the market that follow global safety standards and are approved by Inmetro.

1°) Install as per the diagram on the back of this page.

2º) Turn on the power supply

3°) Leave the START sensor activated and control the control board through the push button, see if the direction of movement is correct (moving towards the END stop) if not, invert the wires on the “DESC” and “UP” terminals IMPORTANT: Ensure that the sensors are properly installed on the control board before from the programming of travel.

4°) Set the travel jumper to ON. The load lifter will first move until it finds the START SENSOR and then it will move, looking for the END SENSOR. Ready! Replace the jumper in the OFF option for normal operation of the MKN-Cargo.

- The “EMERGENCY” terminals It must have a normally closed type sensor (N/F). When the “EMERGENCY” sensor is opened, the motor movement is immediately cancelled, and the LED STATUS will be constantly lit, indicating that the emergency has been activated.

USING control board:

Simply press push button to move the load lifter from one stop (floor) to another. At any time, if the “EMERGENCIA” sensor is opened, the motor will immediately stop its movement and any other command will be canceled until this “EMERGENCIA” sensor returns to its normal state, which is closed.

INSTALLATION DIAGRAM:

Mains input

110/220V

FUSE

motor/SIZE to 1/2cv

or, interface contactor INT-TRF. MKN for up to 1,5cv

or, panel with Contactors

motor Capacitor

Emergency stop button

and/or open door sensor

*this button/sensor must be type NF (normally closed)

travel TIME SCHEDULE

(UPS or DOWNS) SENSOR

SENSOR

COMMAND BUTTON

0 FLOOR (START/GROUND FLOOR)

FLOOR 1

(END)

**** ATTENTION *** MKN-Cargo is exclusive to

load-mounting devices

for transporting materials and should NOT be used to transport people or live loads. For this, there are specific products on the market that follow global safety standards and are approved by Inmetro.

STATUS LED

THE EMERGENCY SENSOR

MUST BE N/F TYPE (NORMALLY CLOSED)

STOP SENSORS MUST BE N/A TYPE

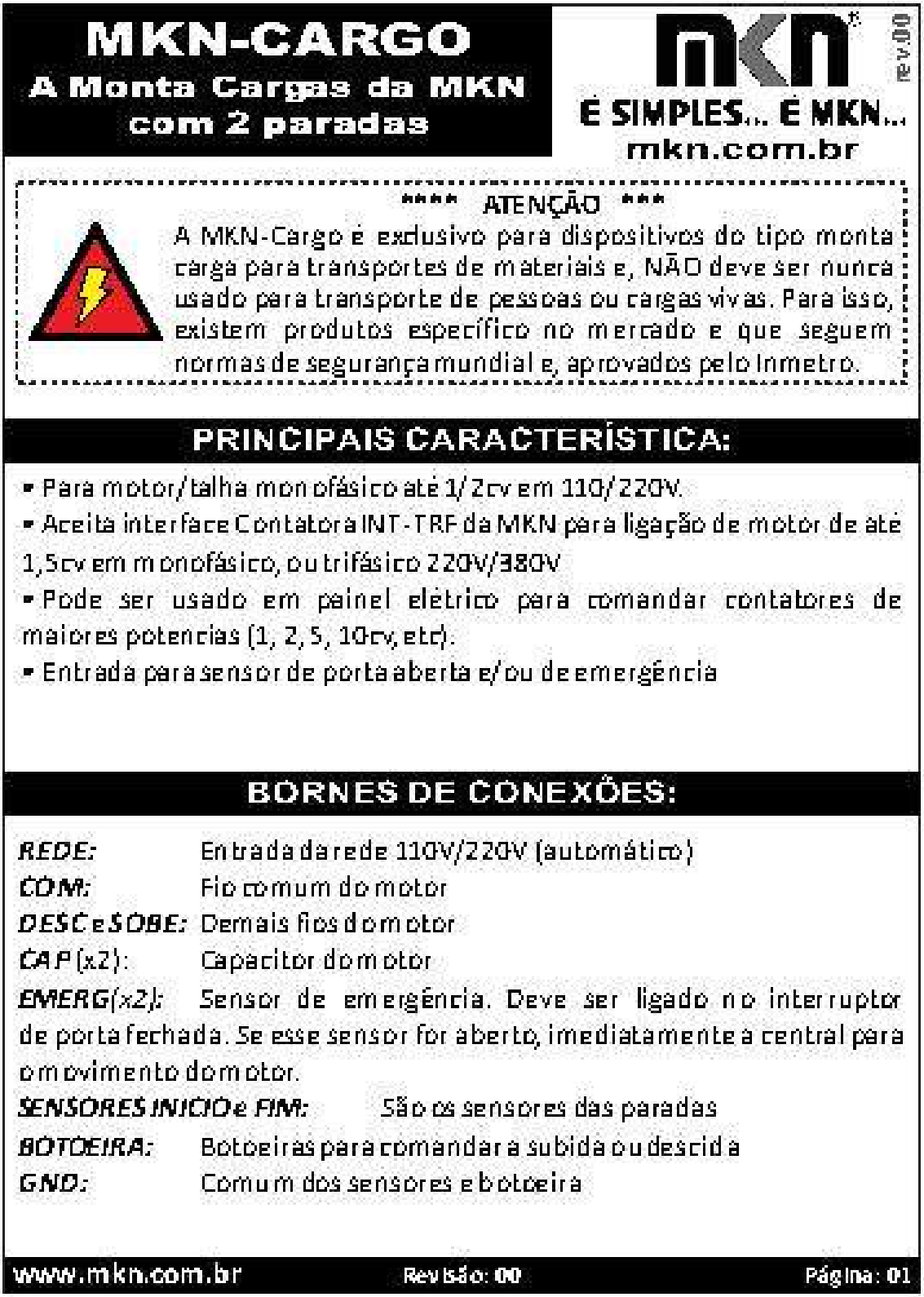
(NORMALLY OPEN)

THE CALL/SEND push button

OF STOPS MUST BE N/A (NORMALLY OPEN)

Diagrams and visual reference

CARGO-2P | 1



MKN-CARGO

A Monta Cargas da MKN com 2 paradas

rev.00

É SIMPLES... É MKN...

mkn.com.br

****** ATENÇÃO *****

A MKN-Cargo é exclusivo para dispositivos do tipo monta carga para transportes de materiais e, NÃO deve ser nunca usado para transporte de pessoas ou cargas vivas. Para isso, existem produtos específico no mercado e que seguem normas de segurança mundial e, aprovados pelo Inmetro.

PRINCIPAIS CARACTERÍSTICA:

- Para motor/talha monofásico até 1/2cv em 110/220V.
- Aceita interface Contatora INT-TRF da MKN para ligação de motor de até 1,5cv em monofásico, ou trifásico 220V/380V
- Pode ser usado em painel elétrico para comandar contatores de maiores potencias (1, 2, 5, 10cv, etc).
- Entrada para sensor de porta aberta e/ou de emergência

BORNES DE CONEXÕES:

REDE:	Entrada da rede 110V/220V (automático)
COM:	Fio comum do motor
DESCeSOBE:	Demais fios do motor
CAP (x2):	Capacitor do motor
EMERG(x2):	Sensor de emergência. Deve ser ligado no interruptor de porta fechada. Se esse sensor for aberto, imediatamente a central para o movimento do motor.
SENSORES INICIO e FIM:	São os sensores das paradas
BOTOEIRA:	Botoeiras para comandar a subida ou descida
GND:	Comum dos sensores e botoeira

www.mkn.com.br Revisão: 00 Página: 01

Diagrams and visual reference

CARGO-2P | 2

INSTALANDO A CENTRAL:

****** ATENÇÃO *****

A MKN-Cargo é exclusivo para dispositivos do tipo monta carga para transportes de materiais e, NÃO deve ser nunca usado para transporte de pessoas ou cargas vivas. Para isso, existem produtos específico no mercado e que seguem normas de segurança mundial e, aprovados pelo Inmetro.

1°) Faça a instalação conforme diagrama no verso dessa página.

2°) Ligue a rede elétrica

3°) Deixe o sensor INICIO acionado e comande a central através do BOTOEIRA, veja se o sentido de movimento está correto (se movendo em direção da parada FIM) caso não, inverta os fios dos bornes *"DESC"* e *"SOBE"*

IMPORTANTE: Garanta que os sensores estejam devidamente instalados na central antes da programação de percurso.

4°) Coloque o jumper PERCURSO em ON. O monta cargas primeiro irá se mover até encontrar o SENSOR INICIO e, em seguida irá se mover, buscando o SENSOR FIM. Pronto! Recoloque, o jumper na opção OFF para o funcionamento normal da MKN-Cargo.

- O bornes *"EMERGENCIA."* precisa ter sensor do tipo normalmente fechado (N/F). Quando o sensor *"EMERGENCIA"* for aberto, imediatamente o movimento do motor é cancelado, e o LED STATUS ficará constatemente aceso, indicando a emergia ativado.

USANDO A CENTRAL:

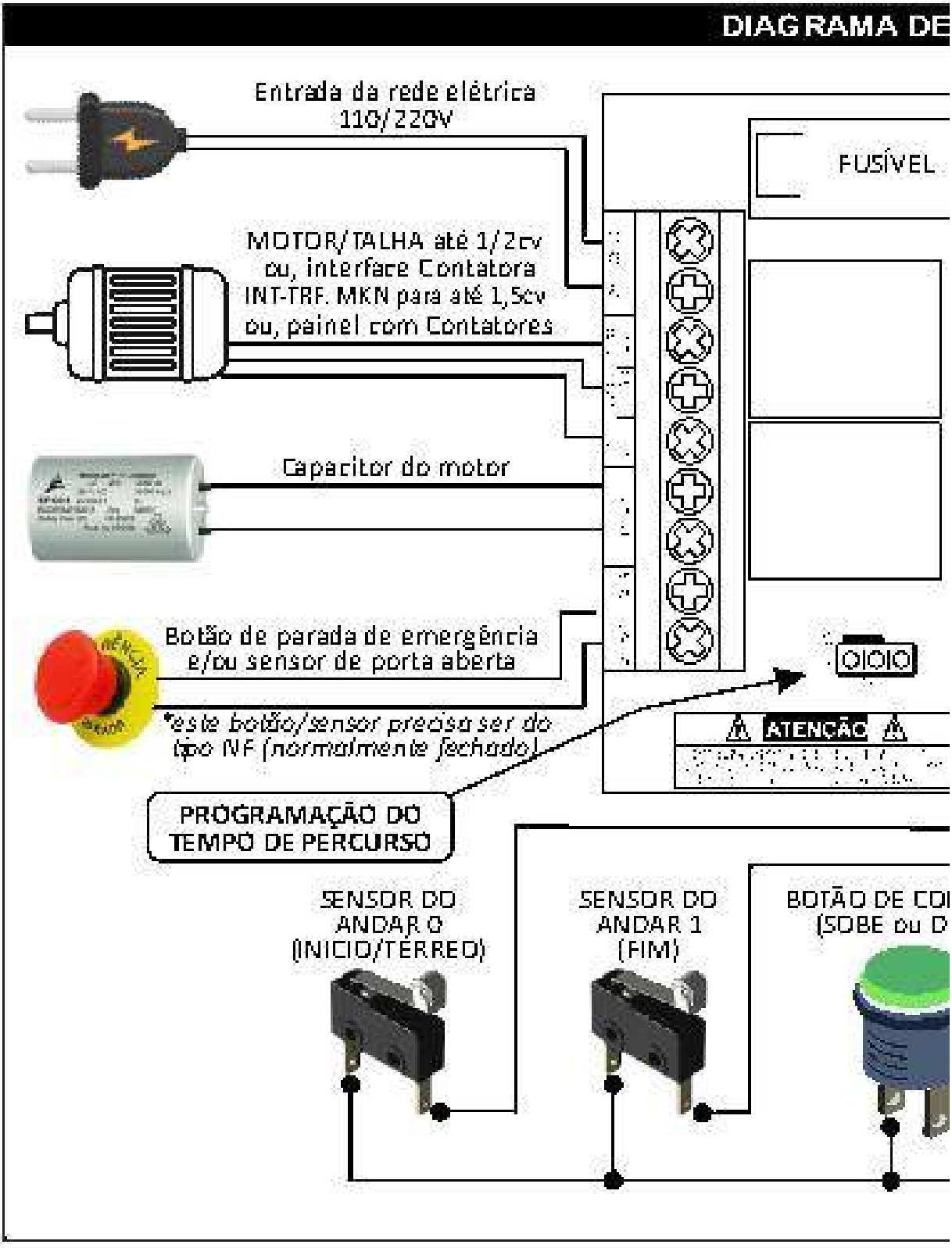
Basta pressionar a botoeira para movimentar o monta carga de uma parada (andar) ao outro.

A qualquer momento, se o sensor *"EMERGENCIA"* for aberto, o motor irá imediatamente parar o seu movimento e, qualquer outro comando será cancelado enquanto este sensor *"EMERGENCIA"* não retornar ao seu estado normal, que é fechado.

Página: 02

Diagrams and visual reference

CARGO-2P | 3



Diagrams and visual reference

CARGO-2P | 4

